REMEDIAL INVESTIGATION WORK PLAN

GDC LIC DEVELOPMENT

45-35 11th Street and 11-22 45th Road

Queens, New York

NYSDEC BCP SITE: C241172

NYSDEC SPILL NUMBER: 14-09327

October 12, 2015

ESI File: GQ14076

Prepared By:

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The undersigned has reviewed this Remedial Investigation Work Plan and certifies to GDC LIC Owner LLC and to the New York State Department of Environmental Conservation that the information provided in this document is accurate as of the date of issuance by this office.

I, Paul H. Ciminello, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Paul H. Ciminello
President

TABLE OF CONTENTS

APPENDICES

A FIGURES

Figure 1: Site Location Map
Figure 2: Proposed Remedial Investigation Map
Figure 3: Geotechnical Borings

B PREVIOUS ENVIRONMENTAL INVESTIGATIONS

C QUALITY ASSURANCE PROJECT PLAN

D HEALTH AND SAFETY PLAN

E COMMUNITY AIR MONITORING PLAN

1.0 INTRODUCTION

1.1 Purpose

This Remedial Investigation Work Plan (RIWP) provides a detailed description of the actions that are proposed by Ecosystems Strategies, Inc. (ESI) to investigate the GDC LIC Development property located at 45-35 11th Street and 11-22 45th Road, Queens, New York (hereafter referred to as the Site) consistent with the requirements of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). This RIWP proposes an environmental investigation to supplement fieldwork previously conducted at the Site in conjunction with New York City's Voluntary Cleanup Program. All proposed work will be conducted according to a Site specific Health and Safety Plan (Appendix D) and a Community Air Monitoring Plan (Appendix E).

1.2 Site Location and Description

The Site consists of two contiguous parcels in the Hunters Point section in Queens, New York, identified as Block 54 Lots 20 and Lot 13 on the New York City Tax Map. Hunters Point is a well-developed urban area comprised primarily of multi-family residential and commercial properties. Figure 1 (Appendix A) shows the Site location.

Lot 20 is 12,000-square feet and is bounded by 45th Road to the north, 11th Street to the west, 46th Avenue to the south, and Lot 13 to the east. Lot 13 is 38,000-square feet and is bounded by 45th Road and an adjoining commercial building to the north, Lot 20 to the west, 46th Avenue to the south, and an adjoining commercial building to the east. Each lot contains a vacant, high one-story commercial building. The structure on Lot 20 contains a small second-story office area and occupies the entire parcel. The structure on Lot 13 occupies the majority of the parcel, and a small parking lot/loading dock area is located at the southeastern corner at 46th Avenue.

Development plans for the Site include the construction of new residential buildings, expected to contain approximately 38, 2-family townhouses (Lots 20 and 13 will be subdivided into smaller lots, each containing a single townhouse). Total excavation depth has not been determined at this time; the 1st floor of the new on-site townhouse buildings are expected to be raised approximately 4 feet and will include basements. Excavation depth is anticipated to generally be approximately six feet below surface grade (bsg).

1.3 Physical Setting

1.3.1 Site Topography

The property is located in a relatively level urban area, which generally has surface elevations ranging from 10 to 15 feet above mean sea level (msl), with overall gentle downward slopes to the west-northwest, toward the nearby East River. Sidewalk elevations at the Site boundary are approximately 12 to 14.5 feet, with a gentle overall slope to the northwest. The Site is located within a heavily developed and paved urban area, where extensive filling of tidal marshland is likely to have occurred.

1.3.2 Site Geology

The slabs of the on-site structures are located at approximately 2 feet above street level (the building at Lot 20 is at an elevation of approximately 15 feet and the building at Lot 13 is at 16.24 feet). Information from previous environmental investigations (see Section 1.4) generally documents fill overlying native material consistent with estuarine shoreline deposits. Subsurface materials observed from slab grade to approximately 10 to 13 feet consisted of variable texture sand (likely fill), with brick and concrete inclusions generally noted in the 0 to 5 feet interval. Subsurface materials in the lower portion of the 10 to 15 feet interval generally contained sands (possible fill) with some indications of native materials (including sorted fines and some organic material).

Geotechnical borings extended in adjoining sidewalks and the parking lot (Figure 3) confirm the presence of fill materials to depths as great as 18 feet and document native materials (peat layers, sorted sands, silts and clays) to refusal depths (likely on bedrock) between approximately 25 to 40 feet.

1.3.3 Site Hydrogeology

Based on information from previous environmental investigations (see Section 1.4), groundwater elevations range from approximately 8.9 to 10.0 feet below existing building slabs (groundwater elevations of 5.4 to 6.2 feet). Groundwater flow has been inferred to be from southeast to northwest.

1.4 Summary of Previous Environmental Investigations

Previous environmental site investigations are summarized in a Remedial Investigation Report submitted to NYSDEC in support of the application to the BCP (Application RIR, Appendix B).

A Limited Phase II Environmental Site Assessment prepared for Lot 20 of the Site by P.W. Grosser Consulting, Inc. in March 2013 documented subsurface conditions in the vicinity of a vaulted, abandoned 2,500-gallon fuel-oil aboveground storage tank (AST) located in the basement of the on-site structure. No signs of gross soil contamination were noted; however, trace concentrations of naphthalene and elevated concentrations of SVOCs were detected in soil samples and slightly elevated concentrations of naphthalene and SVOCs were detected in groundwater samples collected from temporary well points. Laboratory analysis of a sample collected from a floor drain in the loading dock contained elevated concentrations of acetone and metals (chromium, lead, mercury, and silver).

ESI subsequently investigated site conditions through sampling and laboratory analysis of soil, groundwater and soil vapor samples. [Note: The discussion, below, indicates detected peak values, unless otherwise noted.]

1.4.1 Soil

A total of 26 soil samples collected from 15 boring locations were submitted for laboratory analysis of VOCs, SVOCs, TAL metals, pesticides and/or PCBs (see Tables 5 through 12 of the Application RIR).

Soil sample results were compared to NYSDEC Part 375-6 Soil Cleanup Objectives (SCOs) for both Unrestricted Use (UUSCOs) and Restricted Residential Use (RRUSCOs).

Five VOCs, including acetone (0.24 ppm), 2-butanone (0.17 ppm), benzene (0.76 ppm), and p- & m-xylene (1.4 ppm) were detected above UUSCOs. Multiple PAHs were detected above RRUSCOs, including naphthalene (reported on both the VOC and SVOC lists, 1,290 ppm), phenanthrene (919 ppm) and 2-methylnaphthalene (244 ppm). Highest concentrations of SVOCs were detected in one deeper soil sample (MW-1 (11'-13')), indicating a hot spot location.

Metals including arsenic (44.7 ppm), barium (557 ppm), copper (1,560 ppm), lead (889 ppm) and mercury (0.983 ppm) were detected above RRUSCOs, and chromium, selenium, silver and zinc were detected above UUSCOs.

One pesticide, 4,4-DDT (0.0088 ppm) was detected above its UUSCO in one shallow sample.

A thin veneer of LNAPL (identified by laboratory analysis as weathered fuel oil) was observed in monitoring well MW-4, indicating the likely presence of LNAPL in soil at the groundwater interface.

1.4.2 Groundwater

Groundwater sample results were compared to Ambient Water Quality Standards and Guidance Values (AWQS) presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) Elevated concentrations of ten VOCs were detected, including naphthalene (reported on both the VOC and SVOC lists, 1,100 ug/L), benzene (170 ug/L), 1,2,4-trimethylbenzene (89 ug/L), 1,3,5-trimethylbenzene (48 ug/L), ethyl benzene (49 ug/L) and acetone (57 ug/L). Multiple PAHs were detected at elevated concentrations, including 2,4-dimethylphenol (80.2 µg/L) and acenapthene (51.3 µg/L). Several metals were present in groundwater, but only arsenic (808 µg/L), magnesium (89,100 µg/L), manganese (2,020 µg/L), selenium (22 µg/L), and sodium (148,000 µg/L) were detected at elevated concentrations. Highest metal concentrations, including arsenic (total at 1100 µg/L and dissolved at 808 µg/L), were detected in monitoring well MW-04. Groundwater samples showed no detected concentrations of pesticides or PCBs.

1.4.3 Soil Vapor

No official guidance levels exist in New York for soil vapor. For general screening purposes, detected concentrations of soil vapor were compared to the compounds listed in Table 3.1 Air Guideline Values, provided in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion (NYSDOH GESVI). Trace to high levels of petroleum related compounds including total BTEX (13,300 ug/m^3), cyclohexane (3,170 ug/m^3), heptane (1,700 ug/m^3), isopropanol (1,820 ug/m^3), n-hexane (75,400 ug/m^3), ethanol (403 ug/m^3), and 4-ethyltoluene (318 ug/m^3) were detected in one soil vapor sample (S-SG-2). Carbon Tetrachloride was not detected in any of the seven soil gas samples. 1,1,1-Trichloroethane was detected in two of the seven samples (7.26 ug/m^3), tetrachloroethylene (PCE) was detected in three of the seven samples (46 ug/m^3) and trichloroethylene (TCE) was detected in two of the seven samples (661 ug/m^3); detected concentrations of PCE and TCE were above the NYSDOH monitoring level range.

1.5 Areas of Concern

Soil in multiple sampling locations (surface and subsurface) is impacted by VOCs at concentrations above UUSCOs and SVOCs and metals at concentrations above RRUSCOs. A significant area of

SVOC contamination, with lesser VOC impacts, is present in deep soils at MW-01 at the northwestern corner of the building on Lot 20.

Significant contamination by BTEX and related compounds has impacted groundwater at MW-4 (impacted by LNAPL), with lesser contamination present at MW-2 and peripheral contamination at MW-6. A significantly elevated level of naphthalene, and elevated levels of 2,4-dimethylphenol were also detected at MW-2 (petroleum odors and organic material were noted at this location). No VOCs and only low-level SVOCs were detected at MW-1, where high levels of naphthalene and elevated concentrations of several BTEX compounds were documented in soils near the groundwater interface. Elevated levels of multiple PAHs are present at MW-3, an area with documented PAH soil contamination, and limited PAH contamination is present at MW-5.

Significant contamination from dissolved metals is limited to a high level of arsenic and a somewhat elevated level of magnesium at MW-4. Elevated levels of dissolved manganese, selenium and sodium are likely derived from on-site fill and/or natural site conditions, including proximity to the East River.

Additional environmental investigation is warranted: at the southern half of Lot 13 (including the spill site area near MW-4), which was previously inaccessible due to use of the on-site building; in the vicinity of an unknown underground storage tank encountered at the northern portion of the structure; and to sufficiently define Site conditions such that a qualitative exposure assessment can be performed.

2.0 REMEDIAL INVESTIGATION WORK PLAN

This RIWP details activities proposed by ESI to further characterize the Site so that a comprehensive assessment of Site conditions, as required by the NYSDEC BCP guidelines, is completed. Previous investigations will be supplemented by the work described below to complete a site characterization in compliance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, Section 3. Specifically, this investigation will be completed in order to characterize the following:

Soil, groundwater and soil vapor at the southern portion of Lot 13;

Soil (and, if warranted, groundwater) in the vicinity of the undocumented UST on Lot 13; and,

Soil and groundwater in the vicinity of documented LNAPL in soil.

A Proposed Remedial Investigation Map depicting relevant Site features, conditions of concern, and previous and proposed sampling locations is provided as Figure 2. All proposed work will be conducted according to a site-specific Health and Safety Plan (Appendix D).

For the purpose of the work detailed in this RIWP, the "Client" is defined as GDC LIC Owner LLC., who will contract with the environmental consultant and/or remediation firm (hereafter referred to as the On-site Coordinator [OSC]) to provide the services detailed below. The OSC shall be a firm with experience in investigating NYSDEC BCP sites, with the capability to certify the final Remedial Investigation Report (RIR) in conformance with DER-10 Section 1.5.

2.1 Overview of Proposed Investigative Services

The proposed investigative services described in detail in subsequent sections of this RIWP consist of the following:

Documentation of Underground Structures (2.2.3);

Initiation of air monitoring during ground intrusive activities (Section 2.3.1);

Extension of twenty (20) on-site soil borings and collection of one or more soil samples from each boring to document soil conditions (Section 2.3.2);

Completion of a minimum of three (3) borings as new groundwater monitoring wells, replacement of any damaged existing wells as needed and the sampling of all wells to document groundwater quality (Section 2.3.3);

Collection of six (6) soil vapor samples to screen for potential on- and off-site vapor impacts (Section 2.3.4); and,

Preparation of a Remedial Investigation Report for the Client and the NYSDEC (Section 2.4)

Prior to, or in conjunction with, the initiation of these actions (see Section 2.3), the tasks detailed in Section 2.2, below, will also be conducted.

2.2 Proposed Site Preparation Services

This section of the RIWP provides details of activities and services necessary to be initiated and/or completed prior to the implementation of Site remediation services.

2.2.1 Agency Notification

The NYSDEC will be notified in writing at least five (5) business days prior to the start of fieldwork. Notification of subsequent field activities will be in accordance with reasonable business practice, with verbal notification for immediate (within 48 hours) activities and written notification otherwise. Written notifications will be transmitted to the NYSDEC via facsimile or electronic mail.

2.2.2 Utility Markout

Prior to the implementation of any of the investigative tasks outlined in Section 2.3, below, a request for a complete utility markout of the Site will be submitted as required by New York State Department of Labor regulations. Confirmation of underground utility locations will be secured, a field check of the utility markout will be conducted prior to the initiation of work.

2.2.3 Documentation of Underground Structures

The presence or absence of relevant underground structures will be documented throughout the Site, either using ground penetrating radar (GPR) or other means if GPR technology is determined to not be suitable to the Site (e.g., metal reinforcement in building slabs may be a significant limiting factor). A GPR survey will be of sufficient density to document the presence or absence of small subgrade structures, including tanks. All field notations will be provided to ESI and to the NYSDEC prior to the extension of borings and may be used to relocate borings should the information so indicate. Results will also be recorded in Site maps for inclusion in the Remedial Investigation Report. Should the use of GPR not be feasible, an alternative methodology will be proposed to NYSDEC for review and approval.

2.2.4 Quality Assurance Project Plan

A Quality Assurance Project Plan (QAPP, Appendix C) has been prepared, detailing procedures necessary to generate data of sufficient quality and quantity to represent successful performance of the Remedial Investigation at the Site. The QAPP includes a Sampling and Analysis Plan (SAP), detailing sampling and analysis of all media and which identifies methods for sample collection and handling.

A photo-ionization detector (PID) with 11.7eV bulb will be utilized to screen encountered materials for the presence of volatile vapors. The PID will be calibrated at the onset of each workday, and a written calibration log will be maintained for this project. The PID will be calibrated to read parts per million gas equivalents of isobutylene in accordance with protocols set forth by the equipment manufacturer.

All samples will be collected in accordance with applicable DER-10 requirements and NYSDEC and NYSDOH guidance documents and will be submitted to a NYSDOH ELAP-certified laboratory using appropriate chain of custody procedures. Dedicated, laboratory supplied containers will be used for sample collection. Field personnel will maintain all samples at cold temperatures, as necessary, and complete all chain of custody forms.

Laboratory reports will include detailed Quality Assurance/Quality Control (QA/QC) analyses, including sample duplicates, rinse blanks for each non-dedicated piece of sampling equipment, and trip blanks. A Data Usability Summary Report (DUSR) will be prepared by a third, independent party, which maintains NYSDOH ELAP CLP Certification.

2.2.5 Subcontractor Coordination

Subcontractors will perform requested services under the direct supervision of the OSC. Prior to the initiation of fieldwork, all subcontractors will be notified of the components of the Health and Safety Plan (Section 2.2.6). All necessary insurance certificates will be secured from subcontractors by the Client and/or by the OSC. At this time, the following subcontractors are anticipated to be used on this project: GPR, driller, analytical laboratory and data validator.

2.2.6 Health and Safety Plan

The site-specific Health and Safety Plan (HASP, Appendix D) will be reviewed with on-site personnel (including subcontractors) prior to the initiation of fieldwork. All proposed work will be performed in "Level D" personal protective equipment; however, all on-site field personnel will be prepared to continue services wearing more protective levels of equipment should field conditions warrant.

2.3 Proposed Specific Investigation Services

This section of the RIWP provides a detailed description of the investigative tasks that will be conducted at the Site.

2.3.1 Community Air Monitoring

A Community Air Monitoring Plan (CAMP, Appendix E) will be initiated during all ground intrusive activities. The implementation of the CAMP will document the presence or absence of specific compounds in the air surrounding the work zone, which may migrate off-site due to fieldwork activities. This plan provides guidance on the need for implementing more stringent dust and emission controls based on air quality data. Air monitoring will be conducted for VOCs and for dust.

2.3.2 Soil Assessment

2.3.2.1 Soil Borings

Soil Borings

A total of twenty (20) soil borings will be extended on-site, with additional "step out" borings extended based on field and instrument observations of contamination, to provide delineation data. Borings will be extended using mechanized equipment (or hand-held boring equipment, as necessary). Borings will be extended to at least the deeper of 20 feet below the building slab or to one sample interval below the groundwater interface, or until refusal is reached (all borings to be completed as groundwater monitoring wells will be extended to a minimum depth that allows for proper installation of the well screen). Sampling depth will be extended if overt contamination is observed. Boring equipment will be capable of collecting soil cores at discreet intervals and will utilize either disposable acetate sleeves or properly decontaminated split spoons to prevent cross contamination. All equipment will be properly

decontaminated according to NYSDEC guidelines. Based on field conditions, additional borings may be extended.

The locations of all soil borings will be determined in the field, measured to the nearest 0.5-foot relative to a permanent fixed on-site marker, and will be recorded in logbooks for inclusion in all final maps. Anticipated boring locations are depicted on the Proposed Remedial Investigation Map (Figure 2).

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns or odors), and instrument indications of contamination (i.e., PID readings) will be made by the OSC during all Site investigative work.

The OSC will be responsible for identifying any materials that require special handling (soil that may contain elevated concentrations of contaminants or is grossly contaminated, hazardous materials, etc.) and will ensure that they are properly securely stored on-site (stockpiled on plastic and covered, or placed in approved containers), pending characterization and proper disposition. The OSC will ensure that any unforeseen environmental conditions are managed in accordance with applicable federal and state regulations.

2.3.2.2 Soil Sampling

Soil samples will be collected (at a minimum) from the soil stratum intercepting the groundwater table, with additional samples collected from soil exhibiting peak field evidence of contamination (if encountered) or at soil strata corresponding to previously identified contamination in nearby boring locations (for delineation purposes).

All soils will be properly characterized in the field and findings will be recorded in logbooks. Material selected for sampling will be obtained in a manner consistent with NYSDEC sample collection protocols. Samples will be collected into appropriately-sized and preserved laboratory-supplied containers, using either disposable or properly decontaminated sampling equipment. The field technician will wear a new pair of disposable gloves during the collection of each sample, and will handle samples such that the potential for cross-contamination, and contamination of exterior surfaces of collection containers, is minimized (placement of media into containers will take place in a clean area remote from contaminant sources, as possible). Personal Protective Equipment (PPE) and sampling equipment will be decontaminated (as warranted) between sampling locations.

Soil sampling will be conducted using equipment lined with disposable acetate sleeves. Samples will be collected directly from the freshly cut open sleeve, using disposable plastic trowels or properly decontaminated stainless steel instruments, or may be manually collected directly from exposed soil or the sampling instrument using dedicated disposable latex gloves.

Soil sampling for VOC analysis will be conducted following USEPA Method 5035 protocols, using disposable 5 gram plastic syringes to place material into laboratory-supplied glass vials with appropriate preservatives and stir bars.

2.3.2.3 Soil Analysis

All soil samples will be analyzed for VOCs using USEPA Method 8260, SVOCs using USEPA Method 8270 and TAL metals (various methods). Four (4) soil samples (including two (2) samples from the southern portion of the Site) will also be analyzed for pesticides and PCBs.

2.3.3 Groundwater Assessment

Six (6) groundwater monitoring wells are currently located at the Site (slab-level wells MW-1 to MW-3, and stick-up wells MW-4 to MW-6). All stick-up wells are known to have been damaged during building demolition. Existing wells will either be repaired or replaced (replaced wells will be identified with a letter "R" suffix, e.g., MW-4R and will be located in close proximity to the original well). Three (3) new wells are proposed: MW-7 in the southern portion of the Site and MW-8 and MW-9 near the northwestern and southeastern corners, respectively, of Lot 13. If the soils in the vicinity of the UST in the north-central portion of the Site demonstrate contamination at the groundwater interface, an additional monitoring well (MW-10) will be located in this area. Existing and proposed monitoring well locations are identified on the Proposed Remedial Investigation Map (Figure 2).

All Site monitoring wells will be sampled. Protocols for well installation, well development, and sample collection and laboratory submission are detailed below.

2.3.3.1 Monitoring Well Installation

At this time it is anticipated that wells will be completed at a final depth of 15 to 20 feet bsg. The wells will be constructed of two-inch PVC casing with a ten foot length of 0.01-inch slotted PVC well screening across the water table. No glue will be used to thread the casing lengths. The wells will be constructed such that a minimum of 2.0 foot of screening will extend above the water table; approximately 8.0 feet of screening will extend below the water level.

The annular space between the well screen and the borehole will be backfilled with clean #1 silica sand to a depth of one to two feet above the well screen. A one-foot thick bentonite seal will be poured down the borehole above the sand pack and allowed to hydrate before grouting the remaining annular space with cement.

A locked cap with vent will be installed at the top of the PVC riser and the well will be protected by a secure "drive-over" metal cover. The elevation of the top of the PVC well riser will be determined relative to a permanent on-site marker using a surveyor's transit. Monitoring well location and relative elevation will be recorded in field logs and indicated on all fieldwork maps.

2.3.3.2 Monitoring Well Development

The wells will be developed one week following installation. The wells will be developed with a properly decontaminated mechanical pump and dedicated polyethylene tubing in order to clear fine-grained material that may have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Well development will begin at the top of the saturated portion of the screened interval to prevent clogging of the pump within the well casing. The wells will be developed until the discharge water is free of sediment and the indicator parameters (pH,

temperature, turbidity, dissolved oxygen, and specific conductivity) have stabilized. Well development will be discontinued when the turbidity of the discharged water is below 50 NTUs and the other parameters have stabilized. Upon completion, the pump assembly will be removed from the well while the pump is still running to avoid discharge of purged water back into the well. All development water will be securely stored on-site pending the analytical results of groundwater sampling.

2.3.3.3 Monitoring Well Sampling

All Site monitoring wells will be sampled using USEPA Low Flow methodology. There are anticipated to be at least seven (7) and possibly eight (8) wells subject to development and sampling.

Sampling will be conducted using the following protocol:

Basic climatological data (e.g., temperature, precipitation, etc.) and all field observations will be recorded in the field logbook. Groundwater sampling will begin at the potentially least contaminated well (as determined from well location and/or previous data) and proceed to the potentially most contaminated well. New latex gloves will be worn by the sampler at each well location.

The protective casing on the well will be unlocked, the air in the well head will be screened with the PID, and the static water level (relative to the top of the casing) will be measured with a decontaminated water-level meter. A submergible pump and Teflon or Teflon-lined polyethylene tubing (or equivalent equipment) will be slowly lowered until reaching two to three feet off of the bottom to prevent disturbance and re-suspension of any sediment present in the bottom of the well.

The water level will be measured before the pump is started, the well will be pumped at a rate of 200 to 500 milliliters per minute, and the water level will be measured approximately every three to five minutes to ensure that stabilization (drawdown of 0.3’ or less) is achieved.

During pumping, field indicator parameters (turbidity, temperature, specific conductance, pH, redox potential, and dissolved oxygen) will be monitored and recorded approximately every three to five minutes. The well will be considered stabilized when the indicator parameters have stabilized for three consecutive readings.

All groundwater samples will be collected in a manner consistent with NYSDEC sample collection protocols. Each groundwater sample will be placed into, appropriately labeled, containers provided by the laboratory. All samples will be maintained at appropriate cold temperatures.

The protective cap on the well will be replaced and locked following sampling, and the field sampling crew will move to the next most contaminated well and the process will be repeated.

2.3.3.4 Analysis of Groundwater Samples

All samples will be accompanied by proper chain of custody documentation and sample information will be recorded in the field logbook. Groundwater samples will be submitted for laboratory analysis of TCL VOCs + 10 (USEPA Method 8260), TCL SVOCs + 20 (USEPA Method 8270), and TAL metals (USEPA Methods 6010 and 7471). Pesticides and PCBs have been previously analyzed and were determined not to be constituents of concern.

2.3.3.5 Groundwater Flow Calculations

The direction of groundwater flow will be determined based on elevations of static groundwater as measured at all wells, measured prior to water quality sample collection. Measurements will be collected with an electronic depth meter with an accuracy of measuring depth to the nearest 0.01 foot. Data will be recorded in field logs for use in updating the Direction of Groundwater Flow Map in the Remedial Investigation Report.

2.3.4 Soil Vapor Sampling

Soil vapor screening will be conducted at six (6) locations. All proposed sampling locations are identified on the Proposed Remedial Investigation Map (Figure 2).

2.3.4.1 Sampling Methodology

The building slab will be breached with a concrete drill and a boring will be extended to an approximate depth of 18 inches. Sample tubing (0.188 inch inner diameter Teflon) with an attached "air stone" will be inserted into the boring, which will be partially filled with clean sand. The remaining upper portion of the borehole and the surface opening will be filled and sealed with moist clay to prevent surface air from entering the system. Vapor in the Teflon tubing will be screened with the PID for VOCs prior to purging.

A tracer gas (e.g., helium) will be used at all soil vapor sampling locations to verify that adequate sampling techniques are being implemented (i.e. to verify the absence of significant infiltration of outside air), in accordance with methodology specified in the NYSDOH GESVI. The space around the sampling point will be enclosed and sealed (with a metal hemisphere and clay) in order to introduce a tracer gas (helium) into the area surrounding the probe point. Real-time sampling equipment (Radiodetection Multi-vapor Leak Locator, model MDG 2002, or equivalent) will be utilized to determine when the interior atmosphere in the enclosure reaches a concentration of 80%, and the tubing for the vapor implant will then be sampled for the tracer gas. If helium is detected in vapor at a concentration greater than 10%, the annular seal will be repaired and gas tracing performed again until less than 10% helium is detected.

For all sampling locations, the exact purge volume will be dependent on the boring depth and subsequent length of tubing. Three borehole and tubing volumes will be purged prior to collection. The purge rate will not exceed 0.2 liters per minute.

Following purging of ambient air from the collection device, soil gas samples will be collected over a two-hour period (at a rate not exceeding 0.2 liters per minute) into individual laboratory-certified clean Summa canisters equipped with two-hour flow regulators.

2.3.4.2 Sample Submission

All soil vapor samples will be submitted for laboratory analysis of VOCs via USEPA method TO-15.

2.3.5 Management of Investigation-Derived Waste

Soil cuttings will be backfilled within the originating borehole to within 12-inches of the surface, unless the following conditions exist: soil is grossly contaminated; the boring has penetrated a confining layer; a path

for vertical migration would be completed; cuttings do not fit in the borehole; or, the boring will be converted to a monitoring point for groundwater or soil vapor.

Waste soil generated during the investigation will be stored on plastic sheeting or within approved DOT containers prior to being returned to the bore hole. Any materials remaining at the Site at the end of the workday will be properly covered and secured and all materials remaining after completion of the fieldwork will be containerized and disposed off-site at a permitted facility. Discarded personal protective equipment and other fieldwork supplies will be disposed as municipal solid waste. Monitoring well purge water and other fluids will be securely stored on-site in closed containers, pending the results of groundwater sampling and/or waste characterization, and disposed at an appropriate facility.

2.4 Documentation of Environmental Conditions

A RIR will be prepared at the completion of all fieldwork services in accordance with DER-10, in order to document environmental conditions. The RIR will summarize the nature of environmental conditions for all areas of concern and provide a Qualitative Human Health Exposure Assessment.

The RIR will: summarize Site history and previous investigations; document Site conditions and the investigative work performed during implementation of the RIWP; and, provide complete analytical findings and compare results to applicable Standards, Criteria, and Guidance (SCG). Complete data summary tables, figures showing all exceedances of SCGs, fieldwork and construction logs, laboratory and data validation reports, CAMP monitoring data and waste disposal documentation will be provided. All laboratory data presented in the RIR will be submitted to NYSDEC in an acceptable electronic data deliverable (EDD) format.

3.0 PROJECT SCHEDULE

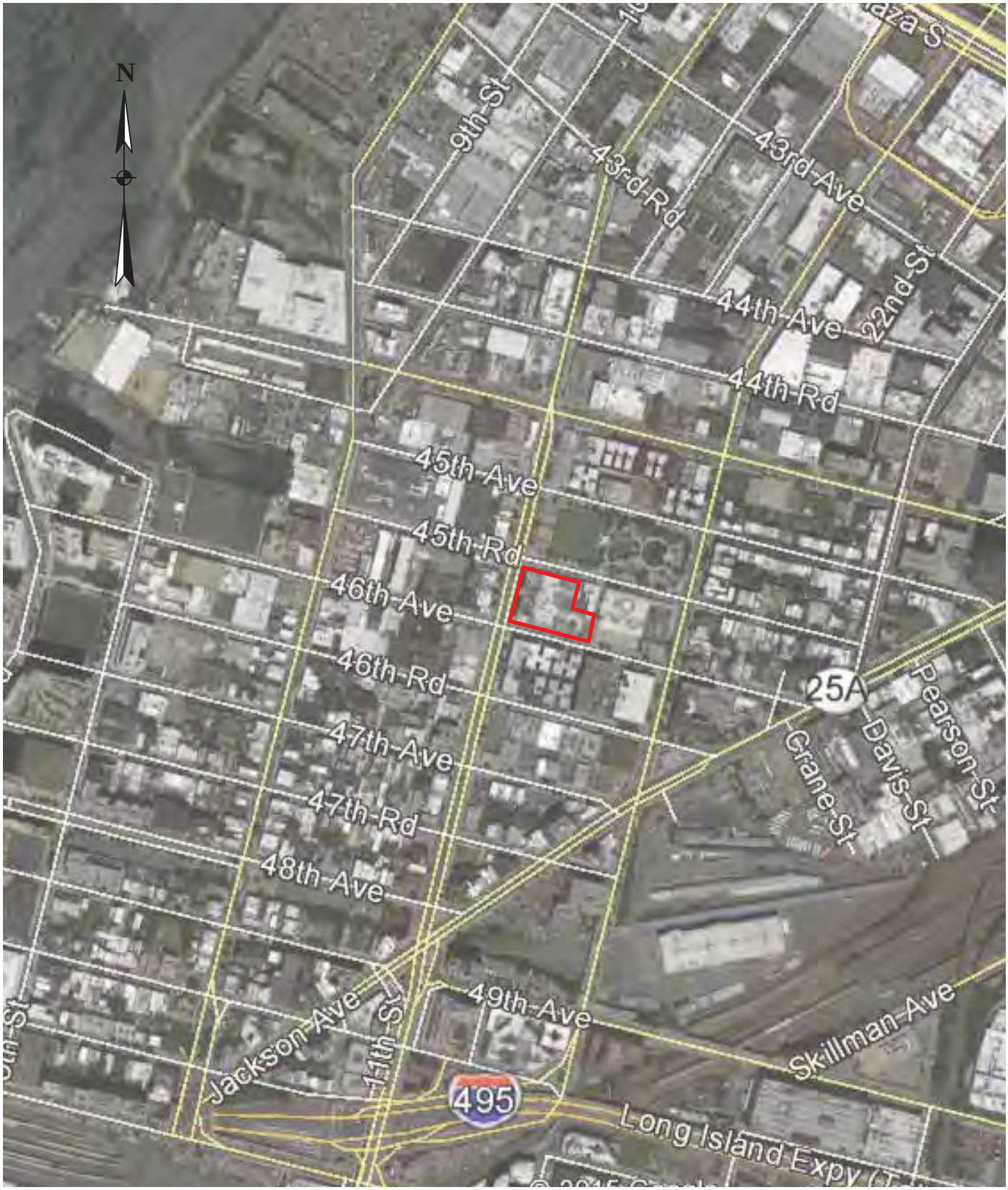
The following schedule is anticipated for this project:

Week	Task
0	NYSDEC approval of the RIWP
1	Utility markout (may include supplemental private markout, if warranted); selection of driller; secure insurance, NYSDEC notification of fieldwork
2	Installation of borings; collection of soil samples, Completion of monitoring wells
3	Well development; collection of groundwater samples, documentation of groundwater elevation
4-6	Analysis of soil and groundwater samples
6-10	Preparation of RIR; submission to the NYSDEC of Remedial Alternatives Report and Remedial Work Plan

APPENDIX A

Figures

Ecosystems Strategies, Inc.



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

Figure 1 - Site Location Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

Legend: subject property border

Longitude = -73°56'58.29" W
Latitude = 40°44'47.86" N

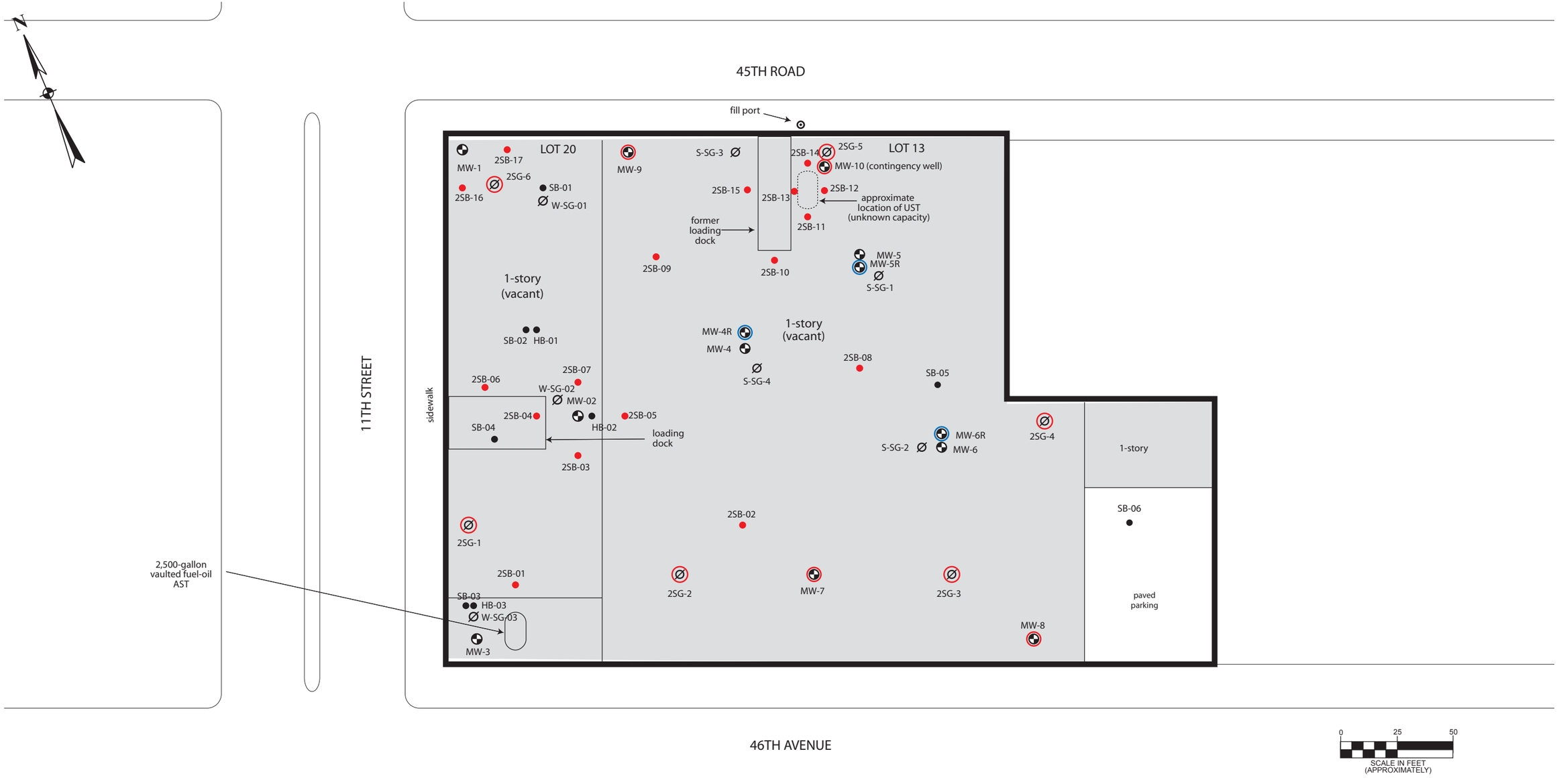
0 250 500
SCALE IN FEET (APPROXIMATELY)

ESI File: GQ14076.50

October 2015

Appendix A

Ecosystems Strategies, Inc.



Survey provided by Empire Land Surveyor P.C. dated June 4, 2014.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Legend:

- subject property border
- soil boring location
- groundwater monitoring well location
- soil gas sampling location
- proposed soil boring location
- proposed monitoring well location
- proposed replacement monitoring well (as needed)
- proposed soil gas sampling location

Figure 2: Proposed Remedial Investigation Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

ESI File: GQ14076

Scale as shown

October 2015 | Appendix A

Figure 3

Geotechnical Borings

B-1

(EL. 13.68') GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
1	1	5 5 8 10	10"	DK. BRN./ BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
2	2	8 10 7	19"	BRN. W/ GRAY SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
5	3	4 4 3 7	7"	DK. BRN. SAND, SILT, GRAVEL, ROCK FRAG., COBBLE, BOULDER, MISC. (FILL)(7)
	4	1 P 1	2"	
10	5	2 3 5	4"	DK. GRAY/ DK. BRN. SAND, SILT, GRAVEL, CLAY, ROCK FRAG., COBBLE, BOULDER, MISC. (FILL)(7)
15	6	2 3 3	12"	
20	7	P 1 1	15"	DK. BRN. PEAT (PI)(6)
25	8	P 2 3	17"	GRAY BRN. W/ BRN. SILTY SAND, TR. GRAVEL, CLAY, THIN GRAY BRN. SILTY CLAYEY SSAND LENSES (SM)(6)
30	9	3 10 16	14"	BRN. SILT, TR. CLAY (ML)(5b)
				BRN. SILTY SAND, TR. GRAVEL (SM)(3a)

AUGER REFUSAL @ 33' - 0"

G.W.T. 9'-1"

B-2

(EL. 14.42') GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
1	1	5 6 8	14"	BLACKTOP 1 1/2" DK. GRAY BRN./ BRN. SAND, SILT, GRAVEL, CINDER, BRICK, MISC. (FILL)(7)
2	2	8 10 8	8"	
5	3	4 6 16	4"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
10	4	P P 5	20"	BRN. SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(FILL)(7)
15	5	P P P	21"	GRAY/ GRAY BRN. SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(FILL)(7)
20	6	P 8 4	21"	DK. GRAY/ DK. GRAY BRN. SILTY SAND, TR. CLAY, THIN FINE ROOTS (SM)(FILL)(7)
				GRAY ORG. SILTY CLAY W/ PEAT, TR. ROCK FRAG. (OL-Pt)(6)
25	7	100/2" - -	14"	CORED 18" (BOULDER)
	8	5 5 5	12"	GRAY BRN. SILT, TR. CLAY, SAND (ML)(5b)
30	9	4 6 5	16"	BRN. SILTY SAND, TR. GRAVEL (SM)(3b)
35	CORE RUN			5' CORE RUN (SCHIST) (53% RECOVERY) (1a)

END OF BORING 38' - 0"

G.W.T. 8'-0"

B-1 & B-2 VERTICAL SCALE: 1/4" = 1'-0"±

B-3A

(EL. 13.5'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 6"
1				DARK BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
5	1	1 1 1	6"	BRN. SILTY SAND (SM) (FILL) (7)
10	2	1 WOH WOH	7"	BRN. SAND, TR. GRAVEL, SILT (SP) (FILL) (7)
		WOH		
15	3	1 WOH WOH	6"	BRN.-GRAY BRN. SAND, LITTLE SILT (SP-SM) (FILL) (7)
		1		
20	4	1 1 3	17"	GRAY FINE SANDY SILTY CLAY, TR. THIN FINE SANDY SILT LENSES (CL) (4c)
		3		
25	5	5 8 12	13"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAGMENTS (SM) (3b)
		14		
	6	100/0"		

REFUSAL 29'-4"

G.W.T. 10'-0"

B-4A

(EL. 13.0'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 6"
1				DARK BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
				DARK BRN.-BRN. SILTY SAND, TR. GRAVEL, CONCRETE (SM) (FILL) (HAND AUGERED)
5	1	1 2 3 4	10"	CINDER, DARK GRAY BRN. SAND, SILT (FILL) (7)
10	2	1 1 1	7"	BRN. SAND, TR. GRAVEL, LITTLE SILT (SP-SM) (FILL) (7)
15	3	1 1 1	17"	GRAY BRN. SAND, TR. GRAVEL, LITTLE SILT (SP-SM) (FILL) (7)
20	4	4 4 6 11	19"	GRAY BRN. FINE SANDY SILT, TR. CLAY (ML) (5b)
25	5	100/3" - -	2"	BRN. WITH GRAY SILTY SAND & DECOMPOSED ROCK (SM) (3a)

REFUSAL 25'-9"

G.W.T. 10'-0"

B-5A

(EL. 12.0'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 8"
1				DARK BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
5	1	1 1 3	3"	DARK BRN.-BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (7)
10	2	2 2 2 2	14"	BRN.-GRAY BRN. SILTY SAND, TR. GRAVEL WITH BRN.-GRAY BRN. SANDY CLAYEY SILT (SM-ML) (FILL) (7)
15	3	1 1 2 3	20"	DARK BRN. PEAT (PT) (6)
20	4	3 2 2 2	19"	GRAY SILT WITH GRAY FINE SANDY SILT, TR. VERY THIN GRAY CLAY, TR. THIN FINE ROOT LENSE (ML) (6)
25	5	9 10 18	18"	BRN. SILTY SAND, TR. GRAVEL, LITTLE ROCK FRAGMENTS (SM) (3b)
	6	10 16 20 38	17"	BRN. SILTY SAND, TR. ROCK FRAGMENTS, DECOMPOSED ROCK (SM) (3a)
	7	100/0"		

REFUSAL 29'-4"

G.W.T. 9'-2"

B-6A

(EL. 12.0'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 6"
1				DARK GRAY-BLACK SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
5	1	2 1 2 2	12"	DARK GRAY-BLACK SILTY SAND, TR. GRAVEL, CINDER (SM) (FILL) (HAND AUGERED)
10	2	1 1 13 14	11"	GRAY BRN.-BRN. SILTY SAND, CLAYEY SAND, TR. GRAVEL, ROCK FRAGMENTS (SC) (FILL) (7)
15	3	2 2 3 2	13"	GRAY BRN.-BRN. SILTY CLAYEY SAND, TR. GRAVEL, ROCK FRAGEMENTS (SC) (FILL) (7)
20	4	WOH 1 3 4	19"	DARK GRAY ORGANIC CLAY WITH PEAT (OH-PT) (6)
				GRAY FINE SANDY SILT (ML) (5b)
25	5	5 6 7 9	16"	BRN. SILTY SAND, TR. GRAVEL (SM) (3b)
30	6	11 18 46 30	14"	BRN. SILT, TR. FINE SAND (ML) (5a)
35		11 15 15 16	14"	BRN. SILTY SAND, TR. GRAVEL (SM) (3a)
40	8	100/0" - -	14"	

REFUSAL 40'-0"

G.W.T. 9'-4"

B-7A

(EL.13.0'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 6"
1				DARK BRN.-BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
				BRN. SILTY SAND, TR. GRAVEL, ROCK FRAGMENTS (SM) (FILL) (HAND AUGERED)
5	1	3 3 2 2	12"	BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (7)
10	2	2 1 1 1	13"	BRN. SILTY SAND, TR. GRAVEL, CLAY (SM) (FILL) (7)
15	3	1 2 1 1	13"	GRAY BRN. SANDY SILT, TR. GRAVEL, CLAY (ML) (FILL) (7)
20	A	1 1		DARK BRN. PEAT (PT) (6)
	4	2	23"	
	B	2 3		GRAY CLAY (CL) (4b)
25	5	5 6 8 9	17"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAGMENTS (SM) (3b)
30	6	8 9 18 14	22"	BRN. SILT, TR. FINE SAND, ROCK FRAGMENTS (ML) (5a)

REFUSAL 34'-0"

G.W.T. 9'-8"

B-8A

(EL. 13.4'±) SIDEWALK GROUND SURFACE

FEET	NO	SB	REC	CLASSIFICATION
				CONCRETE 6"
1				DARK BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
				BRN.-DARK BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (HAND AUGERED)
5	1	1 1 1	17"	BRN. SILTY SAND, TR. GRAVEL (SM) (FILL) (7)
10	2	4 1 1	15"	BRN.-GRAY BRN. SILTY SAND, TR. GRAVEL, CLAY (SM) (FILL) (7)
15	3	1 1 1	13"	GRAY BRN.-DARK GRAY SILTY SAND, TR. GRAVEL (SM) (FILL) (7)
20	A	1		DARK BRN. PEAT (PT) (6)
	4	2	23"	
	B	2 3		GRAY SILTY CLAY, TR. ROOTS, FINE SAND (CL) (4c)
25	5	3 4 4 5	20"	BRN. SILTY FINE SAND (SM) (3b)
30	6	7 14 11 13	17"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAGMENTS (SM) (3a)

REFUSAL 34'-10"

G.W.T. 10'-0"

G.W.T. 10'-2"

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
1a THRU 1d	BED ROCK
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 and 3) ★	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 and 7) ★		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL and GRAVEL (GW, GP) (NOTES 3, 4, 8, and 9) ★		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, and 9) ★		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, and 9)★		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML and MH) (NOTES 4, 8, and 9) ★		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS and VARVED SILTS	SEE 1804.2.1 ★	SEE 1804.2.1 ★
7. CONTROLLED and UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ★	SEE 1804.2.2 OR 1804.2.3 ★

★REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BLDG. CODE FOR ADDITIONAL INFORMATION

COMPACTION RELATED TO SPOON BLOWS/FOOT

SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 31	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

"N" STANDARD PENETRATION TEST-ASTM 1586 (2" SPOON, 140lb. HAMMER, 30" FALL)

N=17 BLOWS PER FOOT

SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR ZORVE TO OBTAIN BLOWS PER FOOT(N) USE 2ND & 3RD 6" INCREMENT

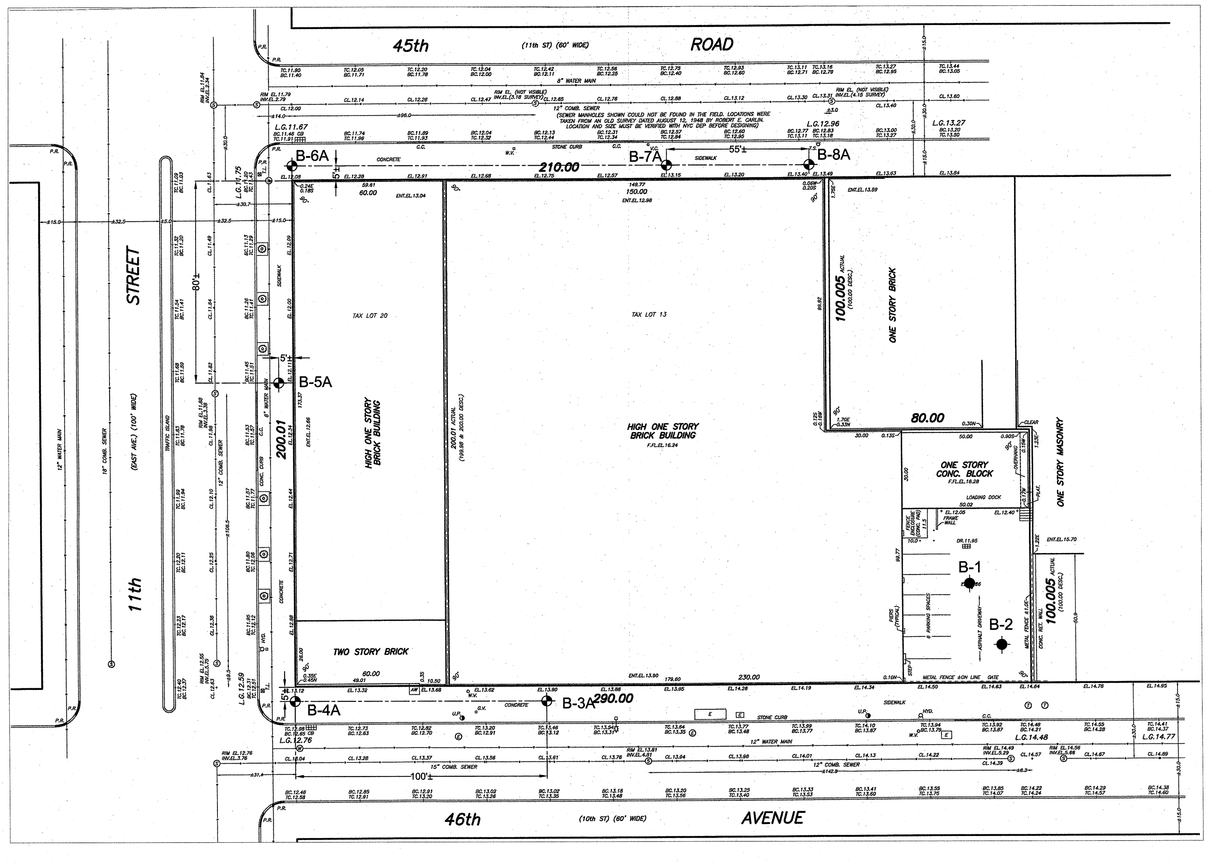
	ROTARY CASING	X-HEAVY CASING	SPOON
SIZE, INCHES	2.5		2.0
HAMMER WEIGHT, LBS.	——		140
HAMMER FALL, INCHES	——		30

CB - CASING BLOWS PER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD

UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND.SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER
REC - SOIL RECOVERY IN INCHES

NOTES

1. SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. GROUND WATER TABLE WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
4. SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
6. SOIL TEST BORING GROUND SURFACE ELEVATIONS SHOWN ARE REFERENCED TO TOPOGRAPHIC SURVEY PROVIDED BY CLIENT.
7. SOIL TEST BORINGS DRILLED IN ACCORD WITH THE NEW YORK CITY BUILDING CODE
8. ✦ SOIL TEST BORINGS PREVIOUSLY DRILLED.



Z: 15LDWGS 15L014.6

PROJECT:
11st. St., 45th. Rd. & 46th. AVE.
LONG ISLAND CITY, NEW YORK

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 221 - 2333

SUBSURFACE INVESTIGATION
11th. St., 45th. Rd. & 46th. St.
LONG ISLAND CITY, NEW YORK

BORING PLAN
(Subsurface Investigation)

SEAL & SIGNATURE:

VERTICAL BORING SCALE:	1/2" = 1'-0" ±
DATES OF BORINGS:	FEB. 11 & 12, 2015
DRAWING DATE:	FEBRUARY 18, 2015
DRAWN BY:	NAR
CHECKED BY:	CV
REVISED DATE:	
DRAWING NUMBER	15L014.A6
SHEET	1 OF 1

DATE: FEB. 18, 2015
PROJECT No.: 15L014.A6
DRAWING BY: NAR
CHECKED BY: CV
DRG.No

B-001.00

CAD FILE No: Z: 15L014.A6

SUBSOIL
INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

February 19, 2015

GDC LIC Owner LLC
245 Saw Mill River Road
Hawthorne, NY 10532
Attn: Michael Orlandi
Via E-Mail: Morlandi@gdcproperties.com

Re: 11th St. bet 45 Rd and 46 Ave.
Long Island City, NY
Our Job #15-014A

Gentlemen:

On January 23, 2015, we forwarded to you a report adverting to findings associated with our drilling of two (2) test borings at the above-referenced site. Forwarded herewith are those logs along with the logs of six (6) supplemental borings drilled from the sidewalks surrounding the four-story townhouses proposed at the project site. The borings were drilled at the locations shown on our Boring Location Plan.

All the borings were advanced using a truck mounted drill rig and hollow stem auger casing. Please note that sample recovery was obtained using a CME automatic trip hammer and a standard 2- inch split spoon sampler. The number of blows required to advance the samples each 6- inch increment were recorded and are shown on our boring logs, along with a written description of the recovered soil sample per our geologist's visual identification of same. The CME automatic hammer operates with an efficiency of approximately 90%. The original conventional use of rope, cathead and drop weight, on the other hand, operates with an efficiency of approximately 60%. As a consequence, the standard penetration test results obtained using CME auto-hammer are on the order of two-thirds the value that would have been obtained had the original rope and cathead method been used. This is significant if you are using design charts for soil strength parameters based on historical data associated with the rope and cathead method. If so, you should adjust our data accordingly.

This investigation along with our previous investigation adverted to above revealed that the areas drilled are blanketed by concrete or blacktop overlying a generally loose or soft fill and soft organic soils extending down to the depths from at least 18 feet to as much as 27 feet below existing grade. These soil materials are in turn generally underlain by a moderately stiff silt or silty sand extending down to refusal. Refusal, probable bedrock, was encountered at depths ranging from 25 feet9 inches to 40 feet below existing grade.

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(516) 221-2333 • FAX (516) 221-0254

Ground water was encountered at depths ranging from 8 feet to 10 feet 2 inches below existing grade at the time the work was done.

The soil profile generated by this investigation best fits that of Site Class E.

Liquefaction is likely at this site and needs to be addressed. This can be addressed by the installation of deep foundations. In our earlier letter we had discussed the problems associated with the high water table in terms of constructing basements or cellars for the proposed buildings. Those comments are equally applicable to the new areas drilled. Unsuitable soils encountered at the preliminary boring sites, ie. B-1 and B-2, were similarly encountered at all of the six new borehole locations. The depths of the fill precludes the use of any type of shallow foundation ie. spread footing or mat foundations.

The proposed construction should, therefore, be built on deep foundations ie. piles extending down to the dense silty sands or to refusal. Building Code permits the use of timber piles to be driven to capacities of 30 tons or steel or concrete piles to be driven to capacities of 40 tons without load testing. If non-dynamic piles are preferred to eliminate vibrations associated with driven piles, piles such as mini piles or auger cast concrete pile might be considered; but keep in mind these are considerably more expensive and require pile load tests. A minimum of two load tests would be required for a foundation area of 30,000 square feet with one load test required for each additional 20,000 square feet of building footprint or part thereof. In either case, we recommend that you allow for drag down or negative skin friction forces that will likely develop on the piles. Use a value of 5 tons per pile.

We also recommend that the exterior stairs as well as any slab on grade be pile supported.

Soil samples recovered during drilling operations will be stored in our lab for a period of 30 days, after which they will be destroyed. During this period we will deliver these samples to any prescribed location upon request.

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

GDC LIC Owner LLC
Attn: Michael Orlandi

If after you examine the enclosed you have any further questions, please feel free to call and discuss them with us.

Billing is enclosed.

Very truly yours,

SOIL MECHANICS DRILLING CORP.

Vincent Nantista, P.E.
Vice President

VN/sbg
Enclosures
Cc: Mitchell D. Newman, A.I.A.
Via E-Mail: mnewman@ndarchitects.com

APPENDIX B

Previous Environmental Investigations

Remedial Investigation Report

GDC LIC DEVELOPMENT

45-35 11TH Street

AND

11-22 45TH Road

QUEENS, NEW YORK

APRIL 2015 (REVISED JULY 2015)

Prepared for:

GDC LIC Owner LLC
245 Saw Mill River Road
Hawthorne, New York 10532
morlandi@gdcproperties.com

Prepared by:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES

TABLES

Tables in Text:

Tables in Appendix:

APPENDICES

1. Previous Environmental Reports
2. Soil Boring Geologic Logs
3. Data Summary Tables
4. Laboratory Data Deliverables for Analytical Data

CERTIFICATION

I, Paul Ciminello, am a Qualified Environmental Professional, as defined by 6NYCRR Part 375-1.2 (aj) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified by this guidance.

I have primary direct responsibility for implementation of the Remedial Investigation for the property located at 45-35 11th Street and 11-22 45th Road, Queens, New York. I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Paul H. Ciminello	7/29/2015	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

Site Location and Current Usage

The Site consists of two contiguous parcels in the Hunters Point section in Queens, New York and is identified as Block 54 and Lot 20, and Block 54 and Lot 13 on the New York City Tax Map. Figure 1 shows the Site location. Lot 20 of the Site is 12,000-square feet and is bounded by 45th Road to the north, 11th Street to the west, 46th Avenue to the south, and Lot 13 to the east. Lot 13 of the Site is 38,000-square feet and is bounded by 45th Road and an adjoining commercial building to the north, Lot 20 to the west, 46th Avenue to the south, and an adjoining commercial building to the east. A map of the site boundary is shown in Figure 2. Lot 20 of the Site (currently vacant) was formerly used as a commercial facility by Wayland Industries, Inc. (for storage and distribution of elevator cables) and contains one structure (a high one-story building with small second story office space) that occupies the entire parcel. Lot 13 of the Site (currently vacant) was formerly used as a commercial facility (former Shine Electronics facility) and contains one structure (a high one-story building) that occupies the majority of the parcel, and a small parking lot/loading dock area at the southeastern corner at 46th Avenue.

Summary of Proposed Redevelopment Plan

Development plans for the Site include the construction of new residential buildings (expected to contain approximately 38, 4-story (+ mezzanine level) 2-family townhouses). Total excavation depth has not been determined at this time; the 1st floor of the new on-site townhouse buildings are expected to be raised approximately 4 feet and will include basements. Excavation depth is anticipated to generally be approximately six feet below surface grade (bsg). The referenced lots will be sub-divided into smaller lots, each containing a single townhouse.

A layout of the initial proposed site development is presented in Figure 3. The current zoning designation is M1-4/R6A, for manufacturing and residential use. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Historical records indicate that the Site was developed as early as 1913, and that the on-site buildings, constructed circa 1948 to 1952, have been used for warehousing and manufacturing, including electrical manufacturing and/or repair of electronic equipment (Lot 13).

The AOCs identified for this site include:

- Potential contamination in soil and groundwater near one abandoned, fuel oil aboveground storage tank and a second underground fuel storage tank.
- Potential releases from historical and current uses of the properties (warehousing and/or manufacturing).
- Potential contaminated fill material of unknown volume.

Summary of the Work Performed under the Remedial Investigation

ESI performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven mechanized and three manual soil borings across the entire project Site at Lot 20, and five mechanized soil borings at Lot 13, and collected 26 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed six groundwater monitoring wells (three at Lot 20 and three at Lot 13) to establish groundwater flow, and collected eight groundwater samples for chemical analysis to evaluate groundwater quality and one sample of LNAPL found in a monitoring well for “fingerprint” analysis;
4. Installed three temporary soil vapor probes at Lot 20 and four soil vapor probes at Lot 13, and collected seven soil vapor samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 12 to 14.5 feet.
2. Depth to groundwater at the Site ranges from approximately 8.9 to 10.0 feet below existing building slabs (groundwater elevations of 5.4 to 6.2 feet).
3. Groundwater flow is generally from southeast to northwest beneath the Site.

4. Depth to bedrock has not been determined (no bedrock was encountered to a maximum depth of 20 feet below the building floor [approximately 17 feet below street level]). The results of structural geotechnical borings, completed in support of site development, suggest likely bedrock at approximately 26 to 40 feet.

5. The stratigraphy of the site, from the surface (concrete floor of building) down, consists of approximately 10 to 13 feet variable texture sand (likely fill), with masonry debris generally noted in the 0 to 5 feet interval, underlain by variable texture native sands with weathered rock, silt, clay and limited organic material.

6. Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Five VOCs, acetone (max. of 0.24 mg/kg), 2-butanone (max. of 0.17 mg/kg), benzene (max. of 0.76 mg/kg), and p- & m-xylene (max. of 1.4 mg/kg) were detected above their respective Unrestricted Residential SCOs. Naphthalene (52 mg/kg) was detected in one deep sample at a concentration above Restricted Residential Use SCOs. Seventeen (17) SVOCs were detected above their Restricted Residential SCOs; benzo(a)anthracene (max of 145 mg/kg), benzo(b)fluoranthene (max of 47.5 mg/kg), benzo(a)pyrene (max of 60.3 mg/kg), benzo(k)fluoranthene (max of 71.9 mg/kg),chrysene (max of 171 mg/kg), dibenzo(a,h)anthracene (max of 2.75 mg/kg), and indeno(1,2,3-cd)pyrene (max of 5.09 mg/kg) were identified in deep and shallow samples, and 2-methylnaphthalene (max of 244 mg/kg), acenaphthene (max of 148 mg/kg), acenaphthylene (max of 166 mg/kg), anthracene (max of 266 mg/kg), dibenzofuran (max of 204 mg/kg), fluoranthene (max of 555 mg/kg), fluorene (max of 241 mg/kg), naphthalene (max of 1,290 mg/kg), phenanthrene (max of 919 mg/kg), and pyrene (max of 462 mg/kg) were identified in one deep sample. Highest concentrations of SVOCs were detected in one deeper soil sample (MW-1 (11'-13')), indicating a hot spot location. Metals including arsenic (max of 44.7 mg/kg), barium (max of 557 mg/kg), copper (max of 1,560 mg/kg), lead (max of 889 mg/kg) and mercury (max of 0.983 mg/kg), were detected above Restricted Residential Use SCOs. Chromium, selenium, silver and zinc also exceeded their Unrestricted Use SCOs. One pesticide, 4,4-DDT (max of 0.0088 mg/kg) was detected above its Unrestricted Use SCOs in one shallow sample. A thin veneer of LNAPL (identified by laboratory analysis as weathered fuel oil) is present in one well (MW-4).

7. Groundwater samples collected were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Groundwater samples showed no detected

concentrations of pesticides or PCBs. The VOCs, 1,2,4-trimethylbenzene (max of 89 ug/L), 1,2-dichloroethane (max of 6.4 ug/L), 1,3,5-trimethylbenzene (max of 48 ug/L), acetone (max of 57 ug/L), benzene (max of 170 ug/L), chloroform (max of 15 ug/L), ethyl benzene (max of 49 ug/L), isopropylbenzene (max of 5.9 ug/L), naphthalene (max of 1,100 ug/L), and n-propylbenzene (max of 6.4 ug/L) were detected above their respective GQS. SVOCs, including benzo(a)anthracene (max of 0.116 µg/L), benzo-(b)fluoranthene (max of 0.0947 µg/L), benzo(k)fluoranthene (max of 0.0737 µg/L), chrysene (max of 0.0737 µg/L), indeno(1,2,3-cd)pyrene (max of 0.0842 µg/L), 2,4-dimethylphenol (max of 80.2 µg/L), acenapthene (max of 51.3 µg/L), and naphthalene (max of 622 µg/L) were detected above their GQS. Several metals were present in groundwater, but only arsenic (max of 808 µg/L), magnesium (max of 89,100 µg/L), manganese (max of 2,020 µg/L), selenium (max of 22 µg/L), and sodium (max of 148,000 µg/L) exceeded their GQS. Highest metal concentrations, including for arsenic (total at 1100 µg/L and dissolved at 808 µg/L), were detected in monitoring well MW-04.

8. Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values, provided in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Trace to high levels of petroleum related compounds including BTEX (max. of 13,300 ug/m^3), cyclohexane (max of 3,170 ug/m^3), heptane (max of 1,700 ug/m^3), isopropanol (max of 1,820 ug/m^3), n-hexane (max of 75,400 ug/m^3), ethanol (max of 403 ug/m^3), and 4-ethyltoluene (max of 318 ug/m^3) were detected in one soil vapor sample (S-SG-2). Carbon Tetrachloride was not detected in any of the seven soil gas samples. 1,1,1-Trichloroethane was detected in two of the seven samples at a maximum concentration of 7.26 ug/m^3. Tetrachloroethylene (PCE) was detected in three of the seven samples at a maximum concentration of 46 ug/m^3. Trichloroethylene (TCE) was detected in two of the seven samples at a maximum concentration of 661 ug/m^3. Detected concentrations of PCE and TCE were above the monitoring level range established by NYSDOH.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

The Site is an approximately 1.15-acre property located at 45-35 11th Street and 11-22 45th Road in the Hunters Point section of Queens, New York. Residential use is proposed for the property. The RI work was performed between September 16, 2014 and November 14, 2014.

1.1 Site Location and Current Usage

The Site consists of two contiguous parcels in the Hunters Point section in Queens, New York and is identified as Block 54 and Lot 20, and Block 54 and Lot 13 on the New York City Tax Map. Figure 1 shows the Site location. Lot 20 of the Site is 12,000-square feet and is bounded by 45th Road to the north, 11th Street to the west, 46th Avenue to the south, and Lot 13 to the east. Lot 13 of the Site is 38,000-square feet and is bounded by 45th Road and an adjoining commercial building to the north, Lot 13 to the west, 46th Avenue to the south, and an adjoining commercial building to the east. Figure 2, Selected Site Features Map, shows the Site boundary. Lot 20 of the Site (currently vacant) was formerly used as a commercial facility by Wayland Industries, Inc. (for storage and distribution of elevator cables) and contains one structure (a high one-story building with small second story office space) that occupies the entire parcel. Lot 13 of the Site (currently vacant) was formerly used as a commercial facility (former Shine Electronics facility) and contains one structure (a high one-story building) that occupies the majority of the parcel, and a small parking lot/loading dock area at the southeastern corner at 46th Avenue.

1.2 Proposed Redevelopment Plan

Development plans for the Site include the construction of new residential buildings (expected to contain approximately 38, 4-story (+ mezzanine level) 2-family townhouses). Total excavation depth has not been determined at this time; the 1st floor of the new on-site townhouse buildings are expected to be raised approximately 4 feet and will include basements. Excavation depth is anticipated to generally be approximately six feet below surface grade (bsg). The referenced lots will be sub-divided into smaller lots, each containing a single townhouse.

A layout of the initial proposed site development is presented in Figure 3. The current zoning designation is M1-4/R6A, for manufacturing and residential use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The subject property is located in an urban area comprised primarily of multi-family residential and commercial properties. A description of the adjoining and nearby properties is provided in the Table 1 below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• John F. Murray Playground	• Commercial • Residential
East	• Commercial/Offices	• Commercial
South	• Multi-family residential	• Commercial • Residential
West	• Multi-family residential	• Commercial • Residential

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Lot 20: Historical records indicate that the property may have been developed as early as the 1920s, and that the current on-site building, constructed circa 1948, has been used as warehouse, manufacturing facility, and for office space. The structure on Lot 20 is currently vacant.

Lot 13: Historical records indicate the property was first developed as early as 1913, and that the current on-site building, constructed circa 1952, has been used for clothing manufacturing (1952 to at least 1983), lighting fixture manufacturing (circa 1983 to 1991), and electrical manufacturing and/or repair of electronic equipment (1991 to 2014). The structure on Lot 13 is currently vacant.

Property ownership information, based on a review of a title search provided by the Site owner (GDC LIC Owner LLC) and New York City computerized City Register records, is presented in the Table 2 below.

Table 2: Ownership Information

Tax Lot Parcel	Owner	Date of Conveyance
Block 54, Lot 20	GDC LIC Owner LLC Kyu Heung Park Paul Horwitz Karen Horwitz 11th Street Realty, Corporation/ Saul and Pauline Goldsmith	9/30/2014 8/15/2014 8/29/2013 4/8/1981 Unknown
Block 54, Lot 13	GDC LIC Owner LLC Eunhasu Corporation New York City Industrial Agency Goldstar Electronic International Park, Kyu H. Brum, Douglas Brum, Joseph NYC Industrial Development Agency Brum, Douglas Brum, Gussie	9/30/2014 9/21/2005 Unknown 4/27/1993 Unknown 6/27/1991 Unknown 5/28/1986 5/27/1986 Unknown

2.2 Previous Investigations

Previous environmental investigations conducted at the Site are discussed below. Copies of relevant documents are provided in Appendix 1

A Limited Phase II Environmental Site Assessment prepared for Lot 20 of the Site by P.W. Grosser Consulting, Inc. in March 2013 documented subsurface soils beneath the basement floor consisting of variable texture sand with silt and gravel, overlying a boggy organic layer at 2' below the basement floor. Groundwater was noted at 2 feet below the basement floor (approximately 10 feet below slab grade). No signs of gross soil contamination were noted.

Three soil borings were extended in the vicinity of a vaulted, abandoned 2,500-gallon fuel-oil aboveground storage tank (AST) located in the basement of the on-site structure and a boring was extended near an inactive floor drain located in the loading dock. Soils in the vicinity of the AST were tested for volatile and semi-volatile organic compounds (VOCs/SVOCs), NYSDEC CP-51 petroleum list. Floor drain soils were tested for the full VOC/SVOC list and RCRA metals. Soil borings were extended approximately 5 feet below the basement slab, with samples collected from 0 to 2 feet. Two of the soil borings in the vicinity of the AST were completed as temporary monitoring wells. Groundwater samples were collected and analyzed for VOCs and SVOCs, NYSDEC CP-51 petroleum list.

Laboratory testing of soil and groundwater samples indicated the presence of subsurface contamination in the vicinity of the AST. Trace concentrations of naphthalene and elevated concentrations of SVOCs were detected in soil samples collected near the tank. Slightly elevated concentrations of naphthalene and SVOCs were also detected in groundwater samples collected near the tank.

The sample collected from the floor drain sample contained elevated concentrations of one VOC, acetone, and elevated concentrations of metals (chromium, lead, mercury, and silver). Cadmium was also detected, but at a level below NYSDEC "unrestricted use" soil cleanup objectives.

2.3 Site Inspection

Site inspections were most recently performed by ESI during Phase I Environmental Site Assessments (ESAs) performed for each parcel in June 2014. The Phase I ESAs were prepared under the direction of Paul Ciminello, a Qualified Environmental Professional (QEP).

2.4 Areas of Concern

The AOCs identified for this site include:

- Potential contamination in soil and groundwater near one abandoned, fuel oil aboveground storage tank and a second underground fuel storage tank.

- Potential releases from historical and current uses of the properties (warehousing and/or manufacturing).
- Potential contaminated fill of unknown volume.

The Phase I ESA reports are presented in Appendix 1.

The Phase I ESA also identified the following conditions, warranting response outside of the structure of the Phase II testing:

- The 2,500 gallon AST will require removal per NYSDEC procedures. If proper abandonment (i.e., removal of all interior liquids) of the AST has not occurred (to be determined at the time of demolition), the AST should be registered and properly closed.
- Suspect asbestos-containing materials were identified in the building. ACMs should be identified and removed prior to demolition.
- Small quantities of chemicals and petroleum products associated with mechanical equipment were observed. Proper removal was recommended prior to demolition.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Paul H. Ciminello, President of Ecosystems Strategies, Inc.

Mr. Michael Orlandi, representing GDC LIC Owner LLC is the project manager for the proposed redevelopment activities.

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

On behalf of GDC LIC Owner LLC, ESI conducted environmental investigations at both Lot 20 and Lot 13 of the Site. ESI performed the following scope of work:

1. Conducted a Site inspection at both Lot 20 and Lot 13 to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven mechanized and three manual soil borings across the entire project Site at Lot 20, and five mechanized soil borings at Lot 13, and collected 26 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed six groundwater monitoring wells (three at Lot 20 and three at Lot 13) to establish groundwater flow, and collected eight groundwater samples for chemical analysis to evaluate groundwater quality and one sample of LNAPL from a monitoring well for product identification;
4. Installed three temporary soil vapor probes at Lot 20 and four soil vapor probes at Lot 13, and collected seven soil vapor samples for chemical analysis.

4.1 Geophysical Investigation

No geophysical survey was conducted on this Site.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of ten soil borings (mechanized borings SB-01 through SB-04, and MW-1 through MW-3, and hand borings HB-01 through HB-03) were extended throughout Lot 20, and a total of five soil borings (SB-05 and SB-06, and MW-4 through MW-6) were extended throughout Lot 13, in order to evaluate surface and subsurface soil quality, on September 16, September 25, and October 2, 2014. A Fieldwork Map indicating boring locations and associated selected site features is provided as Figure 4.

All mechanized soil borings at Lot 20 were extended by personnel from Enviroprobe Service, Inc., and all mechanized soil borings at Lot 13 were extended by personnel from Zebra Technical Services (Cascade Drilling, L.P.), using a track-mounted direct-push corer. All manual soil borings were extended by ESI personnel using a hand-held Geoprobe. All boring

implements were equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples).

A MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer. Soil screening at mechanized boring locations was conducted at five-foot intervals to a maximum depth of fifteen feet below grade. Soil screening at manual boring locations was conducted at two-foot intervals to a maximum depth of three feet below grade.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location. Relevant information from logs for each boring location is summarized in the Appendix 2.

Samples of soil material were collected from each of the soil borings where appropriate and notations were made regarding the sampled material's physical characteristics. A sufficient volume of material was collected at each sample location for the required analyses and for potential additional analyses. Soil samples were collected at various depths throughout the Site as per field observations, water table depths, and relative spatial separation that are specific to each boring location. A map showing the location of soil borings and monitor wells is shown in Figure 4.

Groundwater Monitoring Well Construction

Six soil borings were completed as monitoring wells to provide additional data on groundwater (MW-1 through MW-3 at Lot 20 on September 25, 2014 and MW-4 through MW-6 at Lot 13 on October 10, 2014). The wells were constructed of two-inch PVC casing and 0.01-inch slotted PVC well screening (screen interval from 5 to 15 feet below floor grade except MW-5 where the screen was set from 8 to 18 feet). The annular space between the well screen and the borehole was backfilled with clean #1 silica sand and a one-foot thick bentonite seal was poured above the sand. All well casings were equipped with gripper caps. Wells at Lot 20 were

completed several inches below the concrete floor and wells at Lot 13 were completed with "stick-up" casings at approximately 30 inches above the floor.

Monitor well locations are shown in Figure 4.

Survey

Each boring location at the site was accurately measured to fixed benchmarks located within the on-site structures (precision GPS could not be used within the buildings). The height of each well casing was surveyed to a vertical accuracy of 0.01 foot, relative to a fixed, on-site artificial benchmark elevation of 100', for use in determining relative groundwater elevations. Review of an architectural survey map provided by the property owner indicated that the concrete floor at the center of the building on Lot 13 had an elevation of 16.24 feet, and that sidewalks surrounding both buildings ranged in elevation from approximately 12 to 14.5 feet. Based on the reported sidewalk elevations on 11th Street in the immediate vicinity of the loading dock at Lot 20 (12.34 feet), the height of the concrete floor at the building on Lot 20 was calculated at approximately 15 feet (likely variance of +/- 0.4 feet).

A fieldwork map showing each of the on-site soil borings and monitoring wells is provided as Figure 4.

Water Level Measurement

Depth to groundwater (from top of the well casing) was measured at each of the on-site monitoring wells using an electronic depth meter accurate to the nearest 0.01-foot. Depth to groundwater for on-site monitoring wells (measured on October 29, 2014) is presented in Table 3, below:

Table 3: Water Level Measurements

Well ID	Elevation at Top of Casing	Depth to Water From Top of Casing	Depth to Water From Floor	Groundwater Elevation
MW-1	15.20	9.45	9.63	5.37
MW-2	15.07	8.74	9.05	5.95
MW-3	15.18	8.65	8.85	6.15
MW-4	18.89	12.98	10.33	5.91
MW-5	18.98	12.82	10.08	6.16
MW-6	18.57	12.36	10.03	6.21

Laboratories and analytical methods for all media are shown in Table 4 (Chemical Analysis subsection, below).

Soil Sampling

26 soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 5 through 12. Figure 4 shows the location of samples collected in this investigation.

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

Two soil samples (shallow and deep) were collected from each mechanized boring, with the exception of borings SB-05 and SB-06 at Lot 13, where only deep samples were collected. Shallow soil samples were collected at the 0-2 foot interval. Deep soil samples were collected from the top of the saturated-soil interval or the interval exhibiting the highest PID reading, visual, or olfactory evidence of contamination. Additional soil samples were collected at the 0-2 foot interval from three manual hand borings (HB-01 to HB-03) extended at Lot 20.

Significant PID readings were noted at MW-1 at 10 feet (10 ppm), MW-2 at 10 feet (82 ppm) and 14 feet (195 ppm), MW-6 at 15 feet (39 ppm), and SB-05 at 15 feet (169 ppm). A slight petroleum odor was noted at MW-1 at 10 feet, and obvious petroleum (tar-like) odor was noted at MW-2 at the base of the 10-15 feet interval (a layer of dense, stained material was observed, but limited recovery prevented a determination of thickness). No other evidence of contamination was noted during soil sampling.

All soil samples collected from mechanized soil borings were analyzed for SVOCs, pesticides, PCBs, and TAL metals, with additional analysis for VOCs performed for all deep soil samples. Shallow soil samples collected from manual soil borings at Lot 20 were submitted for analysis of VOCs.

Three QA/QC samples were submitted for chemical analysis as part of soil sampling activities. Soil sample SB-Duplicate was collected as a field duplicate sample at MW-6 (11-13'), and four trip blanks were utilized during the handling of soil samples (TB-20140916, TB-20140925, TB-20141002 and TB-20141010).

All soil samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples were transported

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

Groundwater Sampling

Eight groundwater samples were collected for chemical analysis during this RI. Figure 4 shows the location of groundwater sampling. Three QA/QC samples were submitted for chemical analysis as part of groundwater sampling activities. Groundwater samples MW-Duplicate and Dup-20141016 were collected as field duplicates for samples MW-2 and MW-6, respectively, and three trip blanks were utilized during the handling of groundwater samples (TB-20141002 and TB-20141016).

Monitoring wells MW-1, MW-2, and MW-3 were developed on October 2, 2014, and monitoring wells MW-4, MW-5, and MW-6 were developed on October 16, 2014, in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Well development proceeded in a manner consistent with NYSDEC protocols. Prior to development, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water removed from each monitoring well was visually inspected for indications of contamination. Development was conducted using dedicated plastic tubing and a submersible pump, and was considered complete when purged water no longer appeared to be turbid.

Positive PID readings below 10 ppm and mild odors were recorded at all monitoring wells, except at MW-4 where a PID reading of 27 ppm and moderate petroleum odors were noted. A sheen was observed on purge water at MW-4 and MW-6, and a thin LNAPL layer (0.03 feet) was measured at MW-4 during subsequent depth to water gauging (this material was identified by the laboratory as weathered fuel oil).

Monitoring wells MW-1, MW-2, and MW-3 were sampled on October 2, 2014 and MW-4, MW-5, and MW-6 were sampled on October 16, 2014. Groundwater samples were collected into: 40 ml vials preserved with hydrochloric acid for VOC analysis; 250 ml plastic jars preserved with nitric acid for TAL (unfiltered) metal analysis; 250 ml unpreserved plastic jars for TAL (laboratory filtered) metal analysis; and 1 liter amber jars with no preservative for SVOC, PCB and pesticide analysis. No groundwater samples were filtered prior to submission to the laboratory. A sample of the LNAPL encountered at MW-4 was collected using a disposable

manual bailer on November 14, 2014. New disposable gloves were worn during the collection of each sample to prevent cross-contamination.

Four QA/QC samples were submitted for chemical analysis as part of groundwater sampling activities. Water samples Dup-20141002 and Dup-20141016 were collected as field duplicates samples at MW-2 and MW-6, respectively, and two trip blanks were utilized during the handling of water samples (TB-20141002 and TB-20141016).

All groundwater samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples were transported on the following day via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Soil Vapor Sampling

Seven temporary soil vapor probes were installed and seven soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 18. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Soil vapor samples were collected by inserting ¼" Teflon tubing into the invert of the boring (at approximately 8 feet bsg, two feet above saturated soil, at Lot 20, and at approximately 18 inches below the floor surface at Lot 13). The boring was then sealed using a non-VOC containing caulk in order to prevent the infiltration of surface air. An enclosure was placed on the concrete slab over the boring location and a tracer gas (helium) was introduced, in accordance with NYSDOH protocols, to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. Monitoring for the presence of absence of the tracer gas was performed prior to and after sampling (no significant concentrations of tracer gas were detected during the sampling event). Soil vapor samples were collected at a rate not exceeding 0.2 liters per minute into laboratory supplied six-liter Summa Canisters equipped with two hour flow controllers.

Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 18. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

Upon sample completion, the summa canisters were properly closed and transported via courier to Alpha Analytical Laboratories, a NYS DOH-certified laboratory (ELAP Certification Number 11627) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Chemical Analysis

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

Table 4: Summary of Chemical Analysis

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Scott Spitzer of ESI.
Chemical Analytical Laboratory	Chemical analytical laboratories used in the RI are NYS ELAP certified and were York Analytical Laboratories and Alpha Analytical Laboratories
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 Appendix 3, Tables 5-12, Tables 13-17, and Table 18, respectively and presented in detail below in Section 5.2 of this RIR. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 4.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The slabs of the on-site structures are located at approximately 2 feet above street level (the building at Lot 20 is at an elevation of approximately 15 feet and the building at Lot 13 is at 16.24 feet). Subsurface materials observed from the slab down to approximately 10 to 13 feet below the slabs consisted of variable texture sand (likely fill), with brick and concrete inclusions generally noted in the 0 to 5 feet interval. Subsurface materials in the lower portion of the 10 to 15 feet interval generally contained sands (likely fill) with some indications of native materials, including weathered rock, silt, clay and a limited layer of dark organic material.

Hydrogeology

Groundwater elevations range from approximately 5.4 to 6.2 feet, with an average groundwater elevation of approximately 6.0 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 6. Groundwater flow is from southeast to northwest.

5.2 Soil Chemistry

Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Five VOCs, acetone (max. of 0.24 mg/kg), 2-butanone (max. of 0.17 mg/kg), benzene (max. of 0.76 mg/kg), and p- & m-xylene (max. of 1.4 mg/kg) were detected above their respective Unrestricted Residential SCOs. Naphthalene (52 mg/kg) was detected in one deep sample at a concentration above Restricted Residential Use SCOs. Seventeen (17) SVOCs were detected above their Restricted Residential SCOs; benzo(a)anthracene (max of 145 mg/kg), benzo(b)fluoranthene (max of 47.5 mg/kg), benzo(a)pyrene (max of 60.3 mg/kg), benzo(k)fluoranthene (max of 71.9 mg/kg),chrysene (max of 171 mg/kg), dibenzo(a,h)anthracene (max of 2.75 mg/kg), and indeno(1,2,3-cd)pyrene (max of 5.09 mg/kg) were identified in deep and shallow samples, and 2-methylnaphthalene (max of 244 mg/kg), acenaphthene (max of 148 mg/kg), acenaphthylene (max of 166 mg/kg), anthracene (max of 266 mg/kg), dibenzofuran (max of 204 mg/kg), fluoranthene (max of 555 mg/kg), fluorene (max of 241 mg/kg), naphthalene (max of 1,290 mg/kg), phenanthrene (max of 919 mg/kg), and pyrene (max of 462 mg/kg) were identified in one deep sample. Highest concentrations of SVOCs were detected in one deeper soil sample (MW-1 (11'-13')), indicating a hot spot

location. Metals including arsenic (max of 44.7 mg/kg), barium (max of 557 mg/kg), copper (max of 1,560 mg/kg), lead (max of 889 mg/kg) and mercury (max of 0.983 mg/kg), were detected above Restricted Residential Use SCOs. Chromium, selenium, silver and zinc also exceeded their Unrestricted Use SCOs. One pesticide, 4,4-DDT (max of 0.0088 mg/kg) was detected above its Unrestricted Use SCOs in one shallow sample. A thin veneer of LNAPL (identified by laboratory analysis as weathered fuel oil) is present in one well (MW-4) hydraulically upgradient of both USTs, supporting the conclusion that this product is not related to the storage tanks.

Summary of Findings

Both on-site structures are commercial buildings with a history of manufacturing and contain on-site fuel-oil tanks. Areas of concern included impacts from site-wide commercial operations, potential releases from the storage tanks and the quality of subsurface fill materials.

Soil in multiple sampling locations (surface and subsurface) is impacted by SVOCs and metals at concentrations above RRUSCOs. These findings are indicative of either releases from historical operations or the presence of contaminated fill materials.

A significant area of SVOC contamination, with lesser VOC impacts, is present in deep soils at MW-01 at the northwestern corner of the building on Lot 20.

Data summary tables (Tables 5-12) for chemical analyses performed on soil samples are provided in Appendix 3. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Groundwater samples showed no detected concentrations of pesticides or PCBs. The VOCs, 1,2,4-trimethylbenzene (max of 89 ug/L), 1,2-dichloroethane (max of 6.4 ug/L), 1,3,5-trimethylbenzene (max of 48 ug/L), acetone (max of 57 ug/L), benzene (max of 170 ug/L), chloroform (max of 15 ug/L), ethyl benzene (max of 49 ug/L), isopropylbenzene (max of 5.9 ug/L), naphthalene (max of 1,100 ug/L), and n-propylbenzene (max of 6.4 ug/L) were detected above their respective GQS. SVOCs, including benzo(a)anthracene (max of 0.116 µg/L), benzo-(b)fluoranthene (max of 0.0947 µg/L), benzo(k)fluoranthene (max of 0.0737 µg/L), chrysene (max of 0.0737 µg/L), indeno(1,2,3-cd)pyrene (max of 0.0842 µg/L), 2,4-dimethylphenol (max of 80.2 µg/L), acenapthene (max of 51.3 µg/L), and naphthalene (max of 622 µg/L) were detected above their GQS. Several

metals were present in groundwater, but only arsenic (max of 808 µg/L), magnesium (max of 89,100 µg/L), manganese (max of 2,020 µg/L), selenium (max of 22 µg/L), and sodium (max of 148,000 µg/L) exceeded their GQS. Highest metal concentrations, including for arsenic (total at 1100 µg/L and dissolved at 808 µg/L), were detected in monitoring well MW-04.

Summary of Findings

Significant contamination by BTEX and related compounds has impacted groundwater at MW-4, with lesser contamination present at MW-2 and peripheral contamination at MW-6. A significantly elevated level of naphthalene, and elevated levels of 2,4-dimethylphenol were also detected at MW-2 (petroleum odors and organic material were noted at this location). No VOCs and only low-level SVOCs were detected at MW-1, where high levels of naphthalene and elevated concentrations of several BTEX compounds were documented in soils near the groundwater interface. Elevated levels of multiple PAHs are present at MW-3, an area with documented PAH soil contamination, and limited PAH contamination is present at MW-5.

Recent site inspections document the presence of a thin veneer of LNAPL (weathered fuel oil) in MW-4.

Significant contamination from dissolved metals is limited to a high level of arsenic and a somewhat elevated level of magnesium at MW-4. Elevated levels of dissolved manganese, selenium and sodium are likely derived from on-site fill and/or natural site conditions, including proximity to the East River.

Data summary tables (Tables 13-17) for chemical analyses performed on groundwater samples are provided in Appendix 3. Exceedance of applicable groundwater standards are shown.

Figure 6 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

Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values, provided in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Trace to high levels of petroleum related compounds including BTEX (max. of 13,300 ug/m^3), cyclohexane (max of 3,170 ug/m^3), heptane (max of 1,700 ug/m^3), isopropanol (max of 1,820 ug/m^3), n-hexane (max of 75,400 ug/m^3), ethanol (max of 403 ug/m^3), and 4-ethyltoluene (max of 318 ug/m^3) were detected in

one soil vapor sample (S-SG-2). Carbon Tetrachloride was not detected in any of the seven soil gas samples. 1,1,1-Trichloroethane was detected in two of the seven samples at a maximum concentration of 7.26 ug/m^3. Tetrachloroethylene (PCE) was detected in three of the seven samples at a maximum concentration of 46 ug/m^3. Trichloroethylene (TCE) was detected in two of the seven samples at a maximum concentration of 661 ug/m^3. Detected concentrations of PCE and TCE were above the monitoring level range established by NYSDOH.

A data summary table (Table 18) for chemical analyses performed on soil vapor samples is provided in Appendix 3 (relatively elevated values are highlighted to facilitate data review).

Figure 7 shows the location and posts the values for soil vapor samples with significant 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.

FIGURES

Figure 1: Site Location Map
45-35 11TH Street and 11-22 45th Road
Queens, New York

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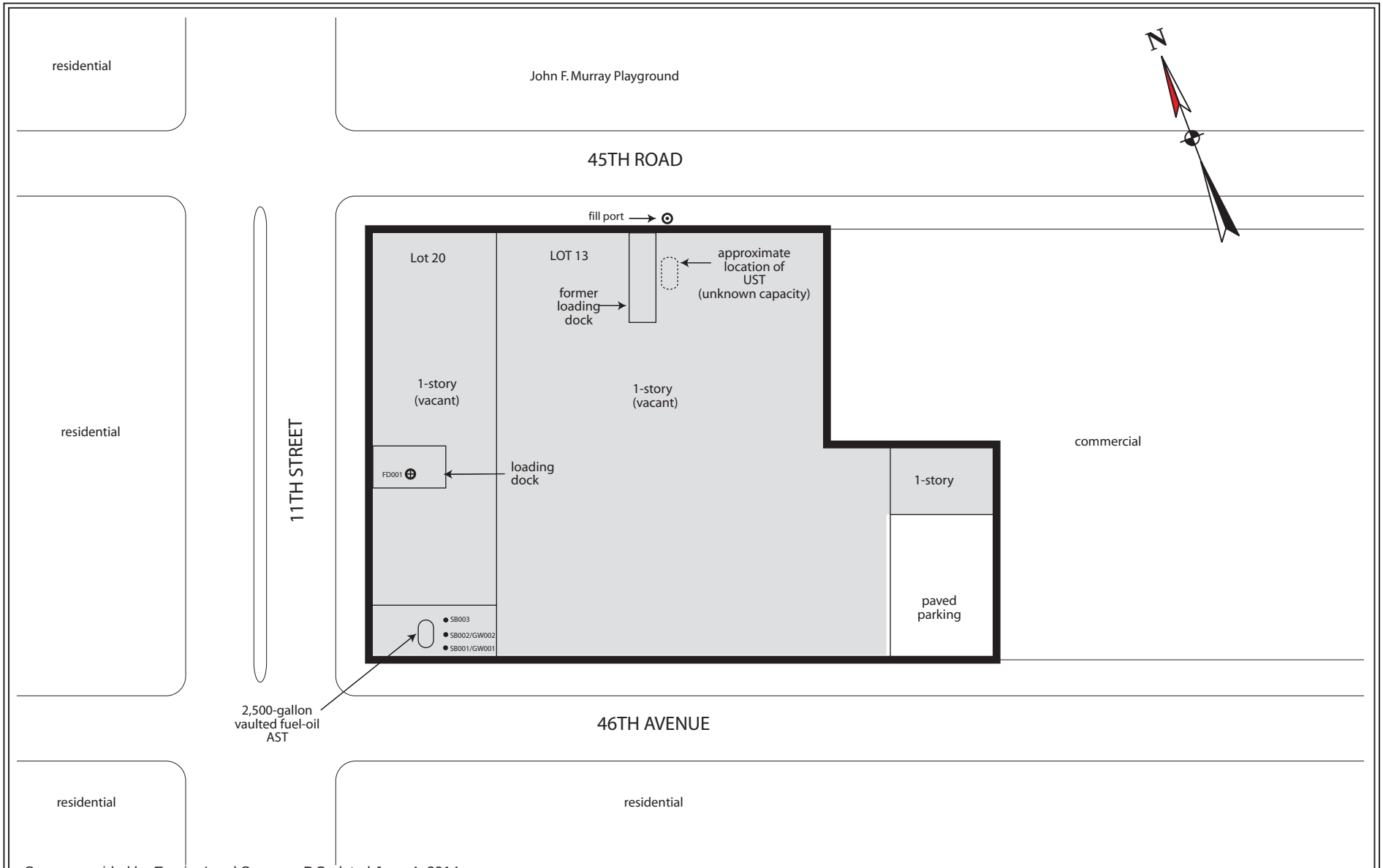
ESI File: GQ14076.50

July 2015

Figures

Ecosystems Strategies, Inc.



Survey provided by Empire Land Surveyor P.C. dated June 4, 2014.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2 - Selected Site Features Map

45-35 11th Street and 11-22 45th Road
Long Island City, New York

Legend:

- subject property border
- floor drain and previous (PWG) boring location
- previous (PWG) boring/groundwater sampling locations

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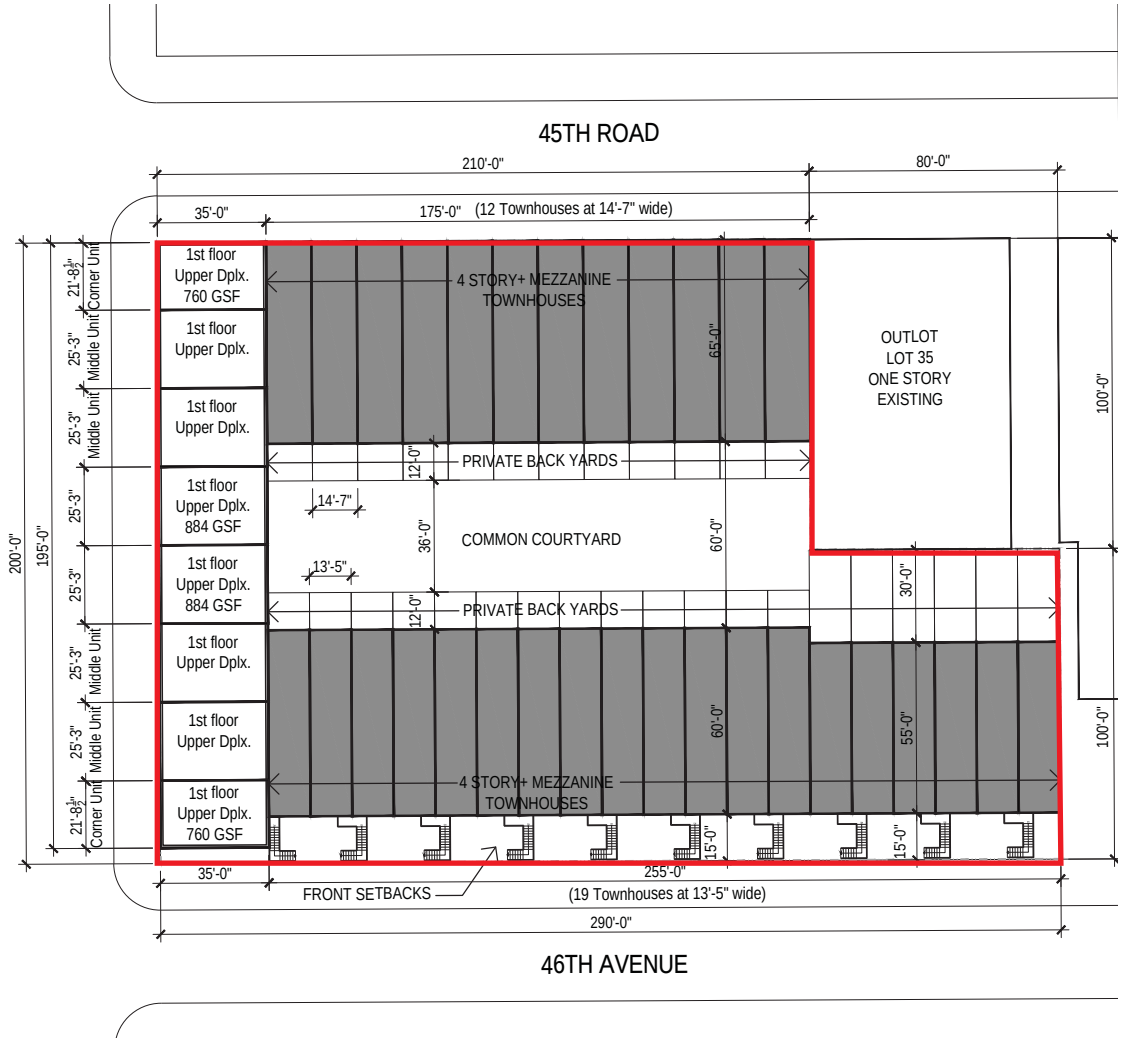
Scale: 1“ = 65’ (approximately)

Figures



Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3 - Proposed Site Development

45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

site border

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Scale: 1" = 60' approximately

Figures

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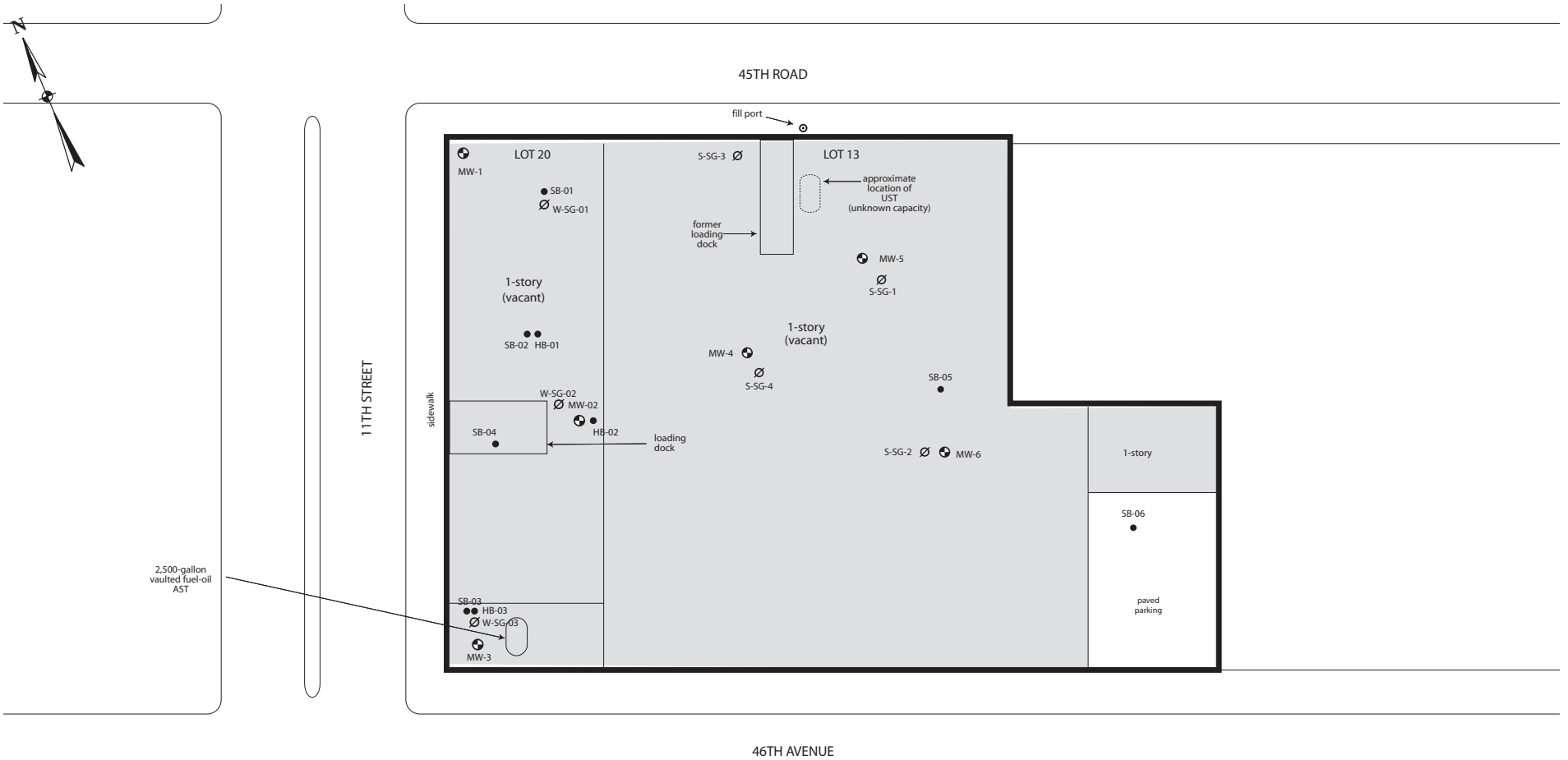

Legend:

- subject property border
- soil boring location
- groundwater monitoring well location
- soil gas sampling location

Survey provided by Empire Land Surveyor P.C. dated June 4, 2014.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4 - Fieldwork Map

45-35 11th Street and 11-22 45th Road
Queens, New York

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Scale: 1" = 40' (approximately)

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MW-1		
VOCs (11-13')		
Naphthalene		52
2-methylnaphthalene		244
SVOCs (11-13')		
Acenaphthene		148
Acenaphtylene		166
Anthracene		266
Benzo(a)anthracene		145
Benzo(a)pyrene		60.3
Benzo(b)fluoranthene		47.5
Benzo(k)fluoranthene		71.9
Chrysene		171
Fluoranthene		555
Fluorene		241
Naphthalene		1,290
Phenanthrene		919
Pyrene		462
Metals	(0-2')	(11-13')
Arsenic	4.7	44.7
Iron	16,400	17,700

SB-1		
Metals	(0-2')	(11-13')
Iron	15,700	11,300

SB-2		
SVOCs (0-2')		
Benzo(a)anthracene		11.7
Benzo(a)pyrene		8.06
Benzo(b)fluoranthene		5.7
Benzo(k)fluoranthene		7.83
Chrysene		10.6
Dibenzo(a,h)anthracene		1.87
Indeno(1,2,3-cd)pyrene		3.28
Metals	(0-2')	(11-13')
Iron	21,000	16,600

SB-4		
SVOCs (0-2')		
Benzo(a)anthracene		2.27
Benzo(a)pyrene		2.27
Benzo(b)fluoranthene		1.92
Dibenzo(a,h)anthracene		0.615
Indeno(1,2,3-cd)pyrene		1.34
Metals	(0-2')	(11-13')
Iron	15,000	14,100

SB-3		
SVOCs	(0-2')	(11-13')
Benzo(a)anthracene	16.4	8.47
Benzo(a)pyrene	11.3	5.76
Benzo(b)fluoranthene	13	4.04
Benzo(k)fluoranthene	11.3	5.34
Chrysene	15.6	8.35
Dibenzo(a,h)anthracene	2.75	1.26
Indeno(1,2,3-cd)pyrene	5.09	2.33
Metals	(0-2')	(11-13')
Arsenic	6.58	19.1
Barium	182	557
Copper	1,560	255
Iron	16,900	31,700
Lead	377	889
Mercury	0.983	0.837

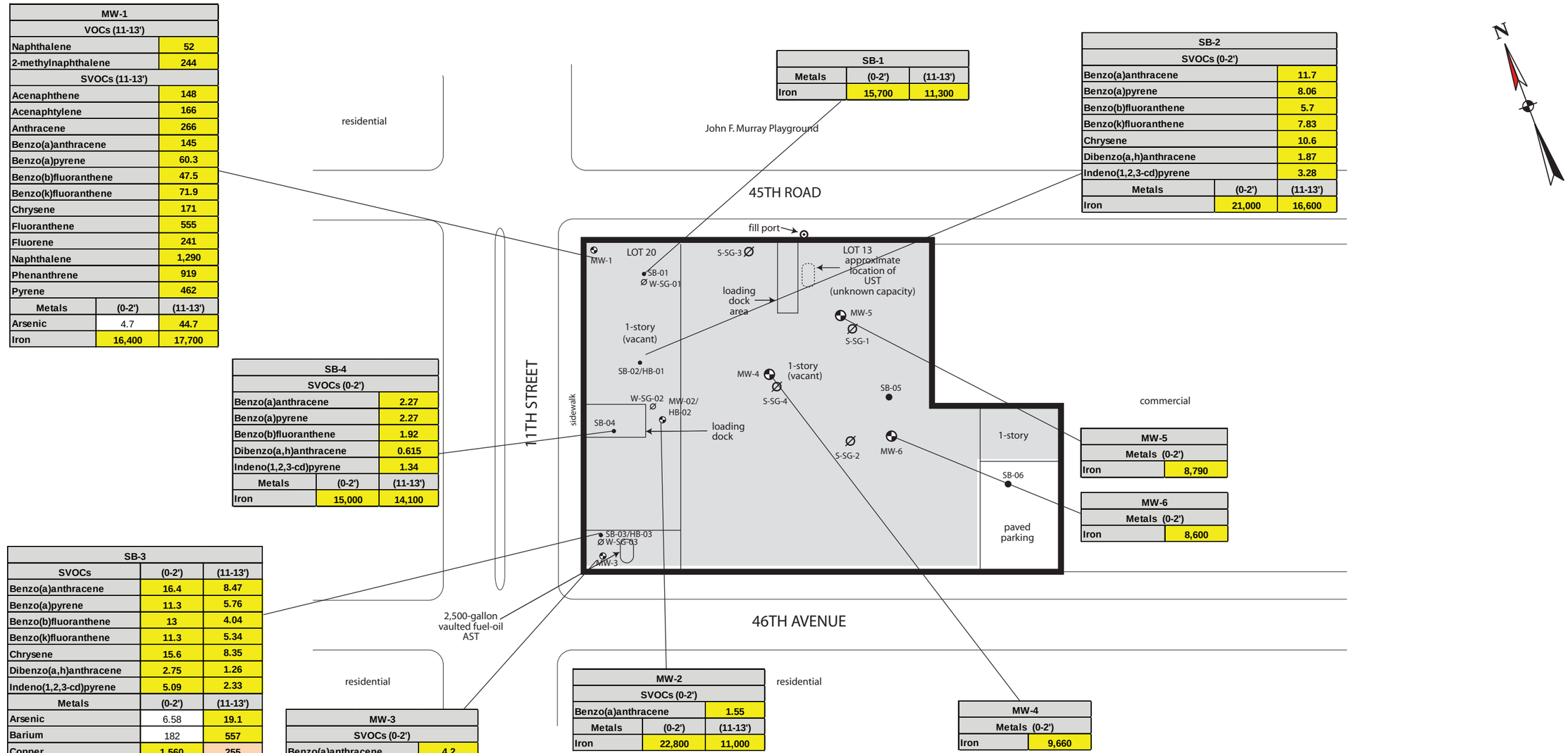
MW-3		
SVOCs (0-2')		
Benzo(a)anthracene		4.2
Benzo(a)pyrene		1.99
Benzo(b)fluoranthene		1.52
Chrysene		5.76
Dibenzo(a,h)anthracene		0.599
Indeno(1,2,3-cd)pyrene		1.06
Metals	(0-2')	(11-13')
Iron	18,600	16,700

MW-2		
SVOCs (0-2')		
Benzo(a)anthracene		1.55
Metals	(0-2')	(11-13')
Iron	22,800	11,000

MW-5	
Metals (0-2')	
Iron	8,790

MW-6	
Metals (0-2')	
Iron	8,600

MW-4	
Metals (0-2')	
Iron	9,660



Legend:

- subject property border
- groundwater monitoring well location
- soil boring location
- soil gas sampling location
- concentrations> Track 2 RRUSCOs
- concentrations>Track 1 UUSCOs
- result not detected or not in exceedance

results in mg/kg

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

Figure 5 - Exceedances in Soil Map

45-35 11th Street and 11-22 45th Road
Queens, New York

ESI File: GQ14076.50

Scale: 1“ = 65’ (approximately)

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MW-2		
VOCs		
1,2,4-Trimethylbenzene		6.4
Benzene		49
Naphthalene		1,100
Xylenes (Total)		31
Styrene		5.2
Toluene		27
SVOCs		
2,4-Dimethylphenol		80.2
Acenaphthene		51.3
Naphthalene		622
Metals	Total	Dissolved
Manganese	724	749
Selenium	11	11
Sodium	43,600	43,700

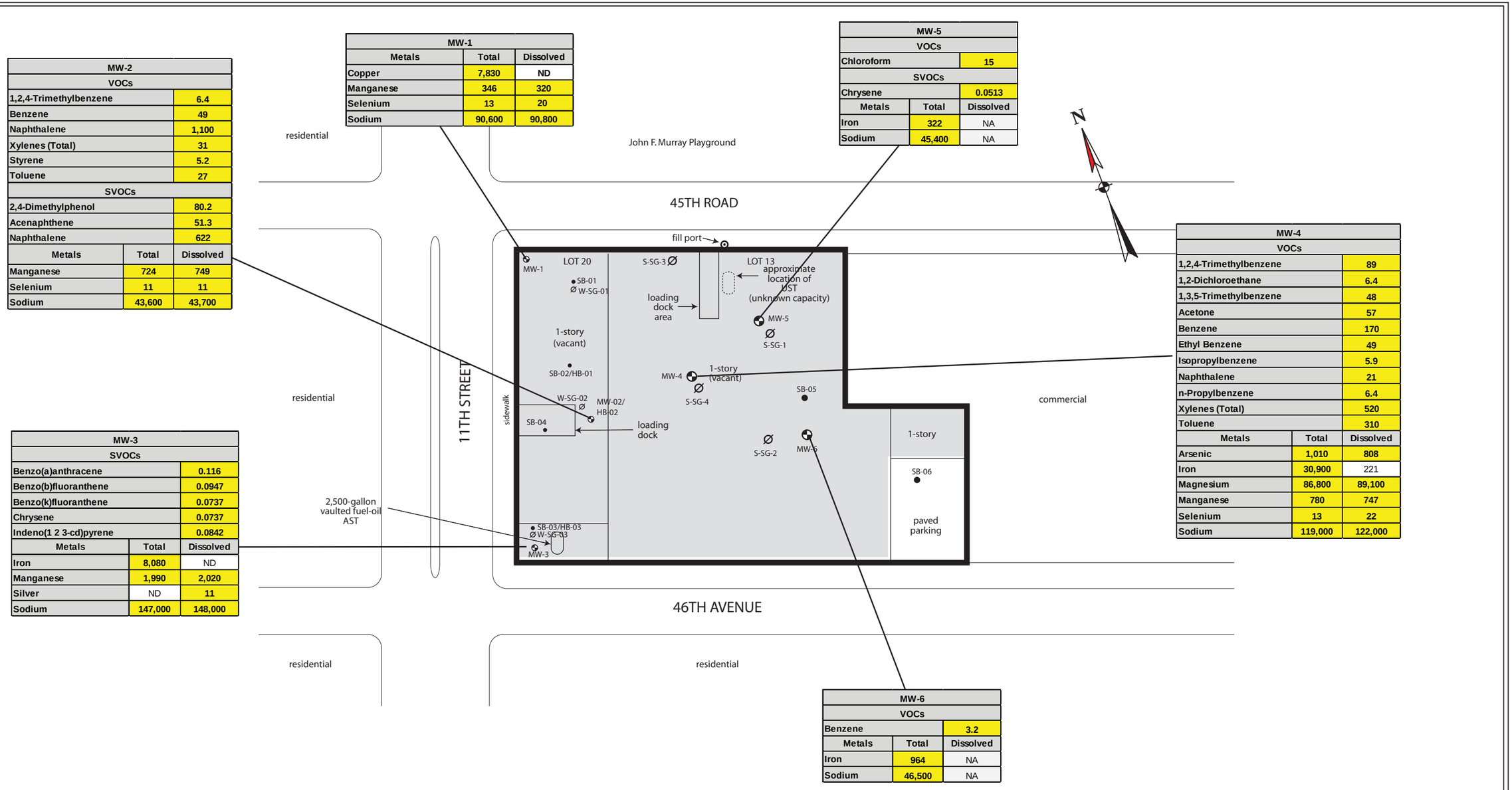
MW-1		
Metals	Total	Dissolved
Copper	7,830	ND
Manganese	346	320
Selenium	13	20
Sodium	90,600	90,800

MW-5		
VOCs		
Chloroform		15
SVOCs		
Chrysene		0.0513
Metals	Total	Dissolved
Iron	322	NA
Sodium	45,400	NA

MW-4		
VOCs		
1,2,4-Trimethylbenzene		89
1,2-Dichloroethane		6.4
1,3,5-Trimethylbenzene		48
Acetone		57
Benzene		170
Ethyl Benzene		49
Isopropylbenzene		5.9
Naphthalene		21
n-Propylbenzene		6.4
Xylenes (Total)		520
Toluene		310
Metals	Total	Dissolved
Arsenic	1,010	808
Iron	30,900	221
Magnesium	86,800	89,100
Manganese	780	747
Selenium	13	22
Sodium	119,000	122,000

MW-3		
SVOCs		
Benzo(a)anthracene		0.116
Benzo(b)fluoranthene		0.0947
Benzo(k)fluoranthene		0.0737
Chrysene		0.0737
Indeno(1 2 3-cd)pyrene		0.0842
Metals	Total	Dissolved
Iron	8,080	ND
Manganese	1,990	2,020
Silver	ND	11
Sodium	147,000	148,000

MW-6		
VOCs		
Benzene		3.2
Metals	Total	Dissolved
Iron	964	NA
Sodium	46,500	NA



Legend:

- subject property border
- groundwater monitoring well location
- soil boring location
- soil gas sampling location
- concentrations> AWQS results in ug/L
- results not detected/not analyzed or not in exceedance

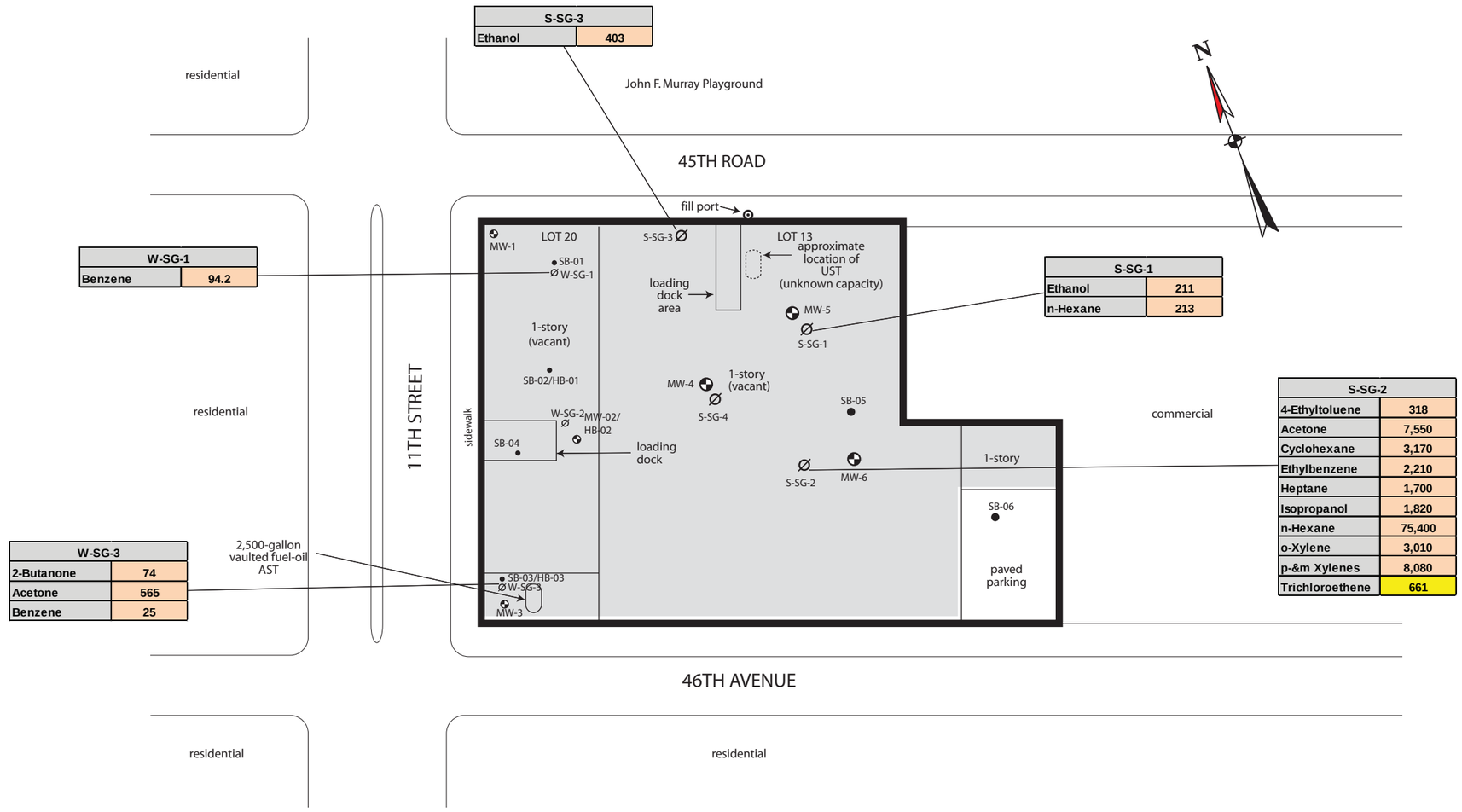
Figure 6 - Exceedances in Groundwater Map

45-35 11th Street and 11-22 45th Road
Queens, New York

ESI File: GQ14076.50

Scale: 1“ = 65’ (approximately)

July 2015 | Figures



Legend:

- subject property border
- groundwater monitoring well location
- soil boring location
- soil gas sampling location
- elevated concentrations
- concentrations>AGVs
  results in ug/m3

Figure 7 - Significant VOC Concentations in Soil Vapor

45-35 11th Street and 11-22 45th Road
Queens, New York

ESI File: GQ14076.50

Scale: 1“ = 65’ (approximately)

July 2015 | Figures

APPENDIX 1

Previous Environmental Reports

45-35 11TH STREET
LONG ISLAND CITY, NEW YORK

LIMITED
PHASE II ENVIRONMENTAL
SITE ASSESSMENT

PREPARED FOR:

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PWGC Project Number: SHI1401

MARCH 2013

45-35 11TH STREET, LONG ISLAND CITY, NEW YORK
PHASE II ENVIRONMENTAL SITE ASSESSMENT

TABLE OF CONTENTS PAGE

FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has prepared this report to document the results of the limited Phase II Environmental Site Assessment (ESA) performed for the property located at 45-35 11th Street in Long Island City, New York. The scope of work for this proposal is based upon a Phase I Environmental Site Assessment (ESA) prepared for the site by Middleton Environmental, Inc. (MEI) dated June 10, 2008, and PWGCs walkthrough performed on January 27, 2014. The scope of work included the collection and analysis of soil and groundwater samples from the site.

1.1 Site Background

The subject site is located at 45-35 11th Street in Long Island City (Queens), New York. The property measures approximately 0.27 acres and is improved with one single-story commercial building with a partial basement. The building is currently occupied by Wayland Incorporated. A Site Plan is included as **Figure 1**.

1.2 Environmental History

The MEI Phase I ESA identified the following Recognized Environmental Conditions (RECs) with respect to the subject property:

- The presence of an abandoned 2,500-gallon fuel oil aboveground storage tank (AST) in the partial basement of the building. Based on review of the 2008 Phase I ESA, the tank was located behind a wall in the partial basement and could not be accessed at the time of the inspection. No documentation regarding the abandonment of the AST was available for review.
- The presence of a floor-drain in the loading dock on the main floor of the building. This floor-drain did not show evidence of staining, however, the discharge location of the drain could not be definitively determined.

Based on the findings of the Phase I ESA, MEI recommended a Phase II ESA for the site to evaluate the identified RECs. Based on review of the MEI Phase I ESA, PWGC proposed the following scope of work for the site:

- Collection and analysis of soil and/or groundwater samples from the AST location, and
- Investigation of the floor drain including a dye test and/or soil sampling.

2.0 FIELD ACTIVITIES

Based on review of the MEI Phase I ESA, PWGC performed the following scope of work for the site:

- Collection and analysis of soil and/or groundwater samples within the boiler room in the basement from the vicinity of the AST, and
- The inspection of the floor-drain in the loading dock of the building.

2.1 AST Area Sampling

On February 14, 2014, PWGC was on-site to perform the limited Phase II Environmental Site Assessment (ESA) at the site.

Soil borings were installed using a hand-driven Geoprobe® fitted with a two-foot large-bore sampler and disposable acetate liners. Non-dedicated sampling equipment was decontaminated with a laboratory grade detergent and clean water rinse. Soil samples were field screened for the presence of volatile organic compounds (VOCs) with a photo-ionization detector (PID). Groundwater was encountered at a depth of approximately one to two feet below the basement slab (estimated depth to groundwater beneath the site is approximately 10 feet below ground surface). Soil Boring locations are illustrated in **Figure 1**.

2.1.1 AST Area Subsurface soil sampling

Three soil borings (SB001 to SB003) were installed in the boiler room in the vicinity of the abandoned AST. At each boring location, soil samples were collected continuously from the basement slab grade to approximately five feet below the basement slab. Groundwater was encountered at approximately two feet below the basement slab.

Recovered soils consisted primarily of medium-grained and coarse-grained sand with silty sand and gravel throughout. A bog type layer, which typically contains organic material, was identified in each boring at a depth of approximately two feet below the basement slab. Elevated PID responses were not detected in soils collected from the borings. No evidence of impact (PID response, staining, odors) was detected in recovered soils. Based on field screening, samples were collected from the interval above the water table at each boring.

2.1.2 AST Area Groundwater Sampling

Upon collecting the soil samples from within the boiler room, PWGC collected two groundwater samples (GW001 and GW002) from two locations within the boiler room. These samples were collected from SB002 and SB003, respectively. Groundwater samples were collected by driving a stainless steel 0.050 mil-slot screen attached to Geoprobe™ rods to the depth corresponding with the water table observed during soil sample collection. Dedicated polyethylene tubing, fitted with a stainless steel check valve, was installed through the

Geoprobe[tm] rods and manually oscillated in order to purge the required three to five casing volumes of groundwater from the sample points.

2.1.3 Floor Drain

Prior to performing a dye test on the floor drain in the street level loading dock, PWGC identified that drain was too clogged to allow water to pass through. Additionally, PWGC identified a small crack in the drain through which a sample was able to be retrieved (FD001).

Recovered soils consisted primarily of medium-grained sand, with silty sand throughout. No evidence of impact (PID response, staining, odors) was detected in the sediments.

2.2 Sample Analysis

A total of four soil samples and two groundwater samples were collected for laboratory analysis. The samples were contained in pre-cleaned, preserved, laboratory supplied glassware, stored in a cooler with ice, and submitted to Alpha Analytical Laboratories, Inc. of Westboro, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID 11148).

AST area soil and groundwater samples were analyzed as follows:

- VOCs by USEPA Method 8260 (CP-51 List)
- SVOCs by USEPA Method 8270 (CP-51 List)

Floor drain sample was analyzed as follows:

- VOCs by USEPA Method 8260
- SVOCs by USEPA Method 8270
- RCRA Metals by USEPA Method 6010/7471

3.0 ANALYTICAL RESULTS

Soil sample analytical data were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (SCO) specified in 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives (December 2006).

Groundwater analytical data were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQS) for Class GA groundwater, as specified in Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards (AWQS) and Guidance Values on Groundwater Effluent Limitations, June 1998.

The sediment sample analytical data were compared to the United States Environmental Protection Agency (USEPA) Region 2 Cleanup Objectives.

Sample locations are illustrated in **Figure 1**; soil analytical data are summarized in **Table 1** and **Table 2**, groundwater analytical data are summarized in **Table 3** and **Table 4**, and sediment sample analytical data are summarized in **Table 5**, **Table 6** and **Table 7** A copy of the laboratory analytical report is included as **Appendix A**.

3.1.1 AST Area Soil Analytical Results

Three soil samples were collected from borings installed within the boiler room in the vicinity of the AST location (SB001, SB002, SB003).

As shown on **Table 1**, no VOCs were detected at concentrations exceeding their respective Unrestricted Use SCOs in the samples collected from within the boiler room in the vicinity of the AST.

As shown on **Table 2**, multiple SVOCs were detected at concentrations exceeding their respective Unrestricted Use SCO in the soil samples collected from soil borings SB001 (1 to 2 feet bgs) and SB002 (1 to 2 feet bgs). Elevated SVOCs detected in these samples included, but were not limited to benzo(a)anthracene, chrysene, fluoranthene. These compounds are indicative of the presence of a historic release from the AST.

3.1.2 AST Area Groundwater Analytical Results

Two groundwater samples were collected from two the soil borings (SB002 and SB003) installed in the boiler room adjacent to the abandoned AST (GW001 and GW002).

As shown on **Table 3**, one VOC compound, Naphthalene, was detected slightly above the NYSDEC ambient groundwater quality standard at GW001. Review of the data indicates that there was evidence of low levels of

Naphthalene in the soil sample (5.3 µg/kg) collected from this location (SB002) indicating that the soil may be contributing to the low levels of groundwater impacts identified in this location. Additionally, since Naphthalene was not identified in the groundwater sample collected from GW002, it appears that the low levels of this compound are confined to this area.

As shown on **Table 4**, no SVOC compounds were detected in excess of their respective NYSDEC ambient groundwater quality standard.

3.1.3 Floor Drain Analytical Results

One sediment sample (FD001) was collected from the base of the floor drain in the loading dock of the building.

Table 5 depicts the analytical results for VOCs collected from the floor-drain. One VOC compound, Acetone, was detected at concentrations exceeding its respective USEPA Clean-up Objective in the sample collected from FD001. Acetone is a typical lab contaminant as well as industrial cleaner. Based upon this information, an onsite source cannot be ruled out. However, during the January 2014 walkthrough as well as during this Phase II, acetone was not identified in other media.

As shown on **Table 6**, the reporting limits were elevated for SVOCs. This typically indicates interference from elevated compounds. Although detections above the laboratory reporting limits were identified, there were no signs of gross contamination in the collected soils.

As shown on **Table 7**, one metal compound, Chromium, was detected at concentrations exceeding its respective USEPA Clean-up Objective. Chromium is a typical plating compound used in electroplating. Although identified in the floor-drain, there was no evidence of chromium use on the subject site.

Based on analytical results, it does not appear that the use/presence of this floor drain has significantly impacted the subsurface.

4.0 CONCLUSIONS AND RECOMMENDAITONS

PWGC performed a limited Phase II ESA for the property located at 45-35 11th Street in Long Island City, New York. The scope of work for this proposal is based upon a Phase I Environmental Site Assessment (ESA) prepared for the site by Middleton Environmental, Inc. (MEI) dated June 10, 2008, and PWGCs walkthrough performed on January 27, 2014. The scope of work included the collection and analysis of soil and groundwater samples from the site.

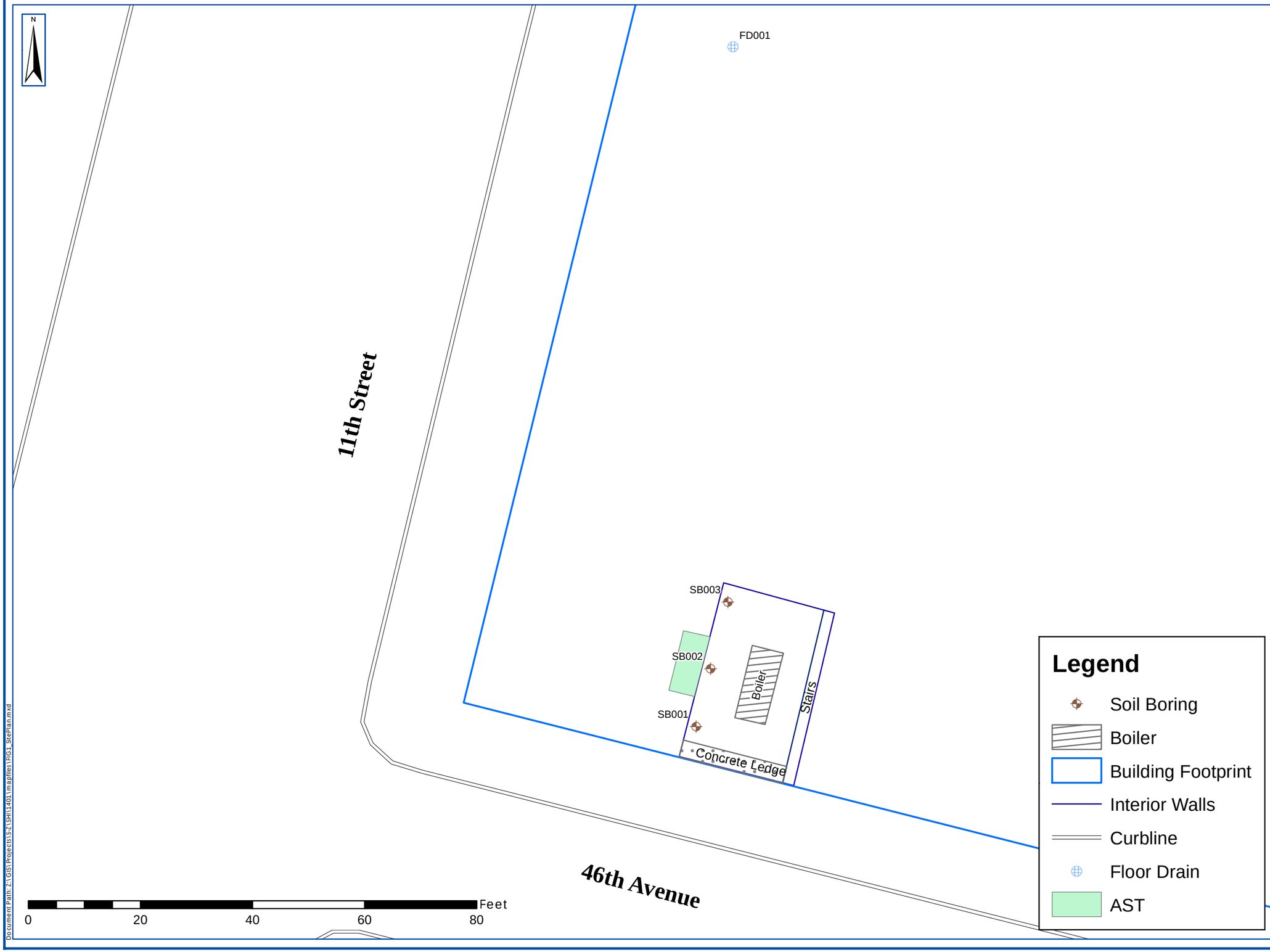
As part of the investigation, PWGC performed the following:

- Collection and analysis of soil and/or groundwater samples from within the boiler room in close proximity to the AST location, and
- An investigation of the floor-drain including sediment sampling.

Based on field observations and analytical results, it appears that soil and groundwater impacts are present beneath the site. These impacts could be the result of localized historic fill or a localized historic release from the AST on the subject property. Based upon the data, there was no significant impacts identified to groundwater, therefore there is unlikely to be a cleanup response from the New York State Department of Environmental Conservation (NYSDEC).

Additionally, based on field observations and analytical results, low level impact was identified in the floor-drain. It is recommended that the impacted sediment be removed from the drain and properly disposed of offsite. Additionally, the drain should be repaired so that it can properly be used or properly abandoned to prevent future potential impacts to the subsurface.

FIGURES



PWGC
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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	SHI1401	Designed by:	RM
Date:	03/05/2014	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	RWW

SITE PLAN

45-35 11th STREET
LONG ISLAND CITY,
NY 11101

FIGURE NO:
1

SHEET:

Document Path: Z:\GIS\Projects\SZ\SHI\1401\mapfiles\FIG1_SitePlan.mxd

TABLES

Table 1
Soil Sample Analytical Results - VOCs by EPA Method 8260
45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	Unrestricted Use SCO[1]	SB001 0 to 2' 2/14/2014		SB002 0 to 2' 2/14/2014		SB003 0 to 2' 2/14/2014	
Volatile Organic Compounds - USEPA Method 8260 - ug/kg							
1,2,4-Trimethylbenzene	3,600	5.9	U	5.5	U	6.1	U
1,3,5-Trimethylbenzene	8,400	5.9	U	5.5	U	6.1	U
Benzene	60	1.2	U	1.1	U	1.2	U
Ethyl Benzene	1,000	1.2	U	1.1	U	1.2	U
Isopropylbenzene	2,300	1.2	U	1.1	U	1.2	U
Methyl tert butyl ether	930	2.4	U	2.2	U	2.4	U
n-Butylbenzene	12,000	1.2	U	1.1	U	1.2	U
n-Propylbenzene	3,900	1.2	U	1.1	U	1.2	U
Naphthalene	12,000	8.6		5.3	J	1.9	J
o Xylene	260	2.4	U	2.2	U	2.4	U
p/m-Xylene	260	2.4	U	2.2	U	2.4	U
p-Chlorotoluene	NS	1.2	U	1.1	U	1.2	U
p-Isopropyltoluene	10,000	2.4	U	2.2	U	2.4	U
sec-Butylbenzene	11,000	1.2	U	1.1	U	1.2	U
tert-Butylbenzene	5,900	5.9	U	5.5	U	6.1	U
Toluene	700	1.8	U	1.7	U	1.8	U

Notes:
All units are ug/kg (ppb)

1 - NYSDEC Soil Cleanup Objectives (SCO), 6 NYCRR Part 375 -Environmental Remediation Programs

NS - No standard established

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values exceed NYSDEC Unrestricted Use SCO

Table 2

Soil Sample Analytical Results - SVOCs by EPA Method 8270

45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	Unrestricted Use SCO[1]	SB001 0 to 2' 2/14/2014	SB002 0 to 2' 2/14/2014	SB003 0 to 2' 2/14/2014	
Semi-Volatile Organic Compounds by 8270 - ug/kg					
Acenaphthene	20,000	**1,700**	**4,300**	160	U
Acenaphthylene	100,000[a]	**470**	**860**	160	U
Anthracene	100,000[a]	**2,600**	**6,100**	53	J
Benzo(a)anthracene	1,000[c]	**4,200**	**9,500**	83	J
Benzo(a)pyrene	1,000[c]	**3,700**	**8,200**	70	J
Benzo(b)fluoranthene	1,000[c]	**4,500**	**10,000**	96	J
Benzo(ghi)perylene	100,000	1,900	4,400	50	J
Benzo(k)fluoranthene	800[c]	**1,800**	**3,600**	120	U
Chrysene	1,000[c]	**4,600**	**10,000**	80	J
Dibenzo(a,h)anthracene	330[b]	**540**	**1,100**	120	U
Fluoranthene	100,000[a]	11,000	26,000	200	
Fluorene	30,000	1,800	3,600	200	U
Indeno(1,2,3-cd)pyrene	500[c]	**2,100**	**4,800**	52	J
Naphthalene	12,000	1,600	2,500	200	U
Phenanthrene	100,000	14,000	32,000	110	J
Pyrene	100,000	9,200	22,000	200	

Notes:

All units are ug/kg (ppb)

1 - NYSDEC Soil Cleanup Objectives (SCO), 6 NYCRR Part 375 -Environmental Remediation Programs

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values exceed NYSDEC Unrestricted Use SCO

Table 3

Groundwater Sample Analytical Results - VOCs by EPA Method 8260

45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	NYSDEC AWQS[1]	GW001 1-3' 2/14/2014		GW002 1-3' 2/14/2014	
Volatile Organic Compounds - USEPA Method 8260 - ug/kg					
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U
Ethylbenzene	5	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U
Naphthalene	10	**11**		1.5	J
o-Xylene	5	2.5	U	2.5	U
p-Isopropyltoluene	5	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U
Toluene	5	2.5	U	2.5	U

Notes:

All concentrations are ug/L (ppb)

1 : Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

NS : No standard established

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values indicate exceedance of AWQS

Table 4
Groundwater Sample Analytical Results - SVOCs by EPA Method 8270
45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	NYSDEC AWQS[1]	GW001 1-3' 2/14/2014		GW002 1-3' 2/14/2014	
Semi-Volatile Organic Compounds by 8270 - ug/kg					
Acenaphthene	20	**5.4**		**2.6**	
Acenaphthylene	20	0.2	U	0.4	U
Anthracene	50*	**0.4**		0.24	J
Benzo(a)anthracene	0.002	0.09	J	0.11	J
Benzo(a)pyrene	0.002	0.2	U	0.4	U
Benzo(b)fluoranthene	0.002	0.07	J	0.4	U
Benzo(ghi)perylene	NS	0.2	U	0.4	U
Benzo(k)fluoranthene	0.002	0.2	U	0.4	U
Chrysene	0.002	0.1	J	0.1	J
Dibenzo(a,h)anthracene	50	0.2	U	0.4	U
Fluoranthene	50	**0.62**		**0.96**	
Fluorene	50	**0.84**		**0.66**	
Indeno(1,2,3-cd)pyrene	0.002	0.2	U	0.4	U
Naphthalene(sv)	10	**1.6**		0.21	J
Phenanthrene	50	**1.4**		**0.97**	
Pyrene	50	**0.43**		**0.67**	

Notes:

All concentrations are ug/L (ppb)

Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

NS : No standard established

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values indicate exceedance of AWQS

Table 5
Sediment Sample Analytical Results - VOCs by EPA Method 8260
45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	USEPA Clean-up Objectives[1]	FD001 0 to 2' 2/14/2014	
Volatile Organic Compounds - USEPA Method 8260 - ug/kg			
1,1,1,2-Tetrachloroethane	NS	1.6	U
1,1,1-Trichloroethane	680	1.6	U
1,1,2,2-Tetrachloroethane	600	1.6	U
1,1,2 Trichloroethane	NS	2.5	U
1,1 Dichloroethane	270	2.5	U
1,1 Dichloroethene	NS	1.6	U
1,1-Dichloropropene	NS	8.2	U
1,2,3-Trichlorobenzene	NS	8.2	U
1,2,3-Trichloropropane	340	16	U
1,2,4,5-Tetramethylbenzene	NS	6.6	U
1,2,4-Trichlorobenzene	3,400	8.2	U
1,2,4-Trimethylbenzene	3,600	8.2	U
1,2 Dibromo 3 chloropropane	NS	8.2	U
1,2 Dibromoethane	NS	6.6	U
1,2 Dichlorobenzene	1,100	8.2	U
1,2 Dichloroethane	20	1.6	U
1,2 Dichloropropane	NS	5.8	U
1,3,5-Trimethylbenzene	8,400	8.2	U
1,3 Dichlorobenzene	2,400	8.2	U
1,3-Dichloropropane	300	8.2	U
1,4 Dichlorobenzene	1,800	8.2	U
1,4-Diethylbezene	NS	6.6	U
2,2-Dichloropropane	NS	8.2	U
2-Butanone / Methyl Ethyl Ketone	300	12	J
2-Hexanone	NS	16	U
4-Ethyltoluene	NS	6.6	U
4-Methyl-2-pentanone	1,000	16	U
Acetone	50	**140**	
Acrylonitrile	NS	16	U
Benzene	60	1.6	U
Bromobenzene	NS	8.2	U
Bromochloromethane	NS	8.2	U
Bromodichloromethane	NS	1.6	U
Bromoform	NS	6.6	U
Bromomethane	NS	3.3	U
Carbon Disulfide	2,700	16	U
Carbon Tetrachloride	760	1.6	U
Chlorobenzene	1,100	1.6	U
Chloroethane	1,900	3.3	U
Chloroform	370	2.5	U
Chloromethane	NS	8.2	U
c-1,2-Dichloroethene	250	1.6	U
c-1,3-Dichloropropene	NS	1.6	U
Dibromochloromethane	NS	1.6	U
Dibromoethane	NS	16	U
Dichlordifluoromethane	NS	16	U
Diethy ether	NS	8.2	U
Ethyl Benzene	1,000	1.6	U
Hexachlorobutadiene	NS	8.2	U
Isopropylbenzene	2,300	1.6	U
Methyl tert butyl ether	930	3.3	U
Methylene Chloride	50	16	U
n-Butylbenzene	NS	1.6	U
n-Propylbenzene	3,900	1.6	U
Naphthalene	NS	8.2	U
o-Chlorotoluene	NS	8.2	U
o Xylene	1,600	3.3	U
p/m-Xylene	1,600	8.2	U
p-Chlorotoluene	NS	1.6	U
p-Isopropyltoluene	10,000	3.3	U
sec-Butylbenzene	11,000	1.6	U
Styrene	NS	3.3	U
tert-Butylbenzene	5,900	8.2	U
Tetrachloroethene	1,300	1.6	U
Toluene	700	2.5	U
t-1,2-Dichloroethene	190	2.5	U
t-1,3-Dichloropropene	NS	1.6	U
trans-1,4-Dichloro-2-butene	NS	8.2	U
Trichloroethene	470	1.6	U
Trichlorofluoromethane	NS	8.2	U
Vinyl acetate	NS	16	U
Vinyl Chloride	20	3.3	U

Notes:
NS - No Standard
All units are ug/kg (ppb)

(1) USEPA Region 2 UIC Cleanup Objectives; based upon the Protection of Groundwater Soil Cleanup Objectives in NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8(b) and NYSDEC CP-51

NS - No standard established

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values exceed NYSDEC Unrestricted Use SCO

Table 6
Sediment Sample Analytical Results - SVOCs by EPA Method 8270
45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	USEPA Clean-up Objectives[1]	FD001 0 to 2' 2/14/2014	
Semi-Volatile Organic Compounds by 8270 - ug/kg			
1,2,4-Trichlorobenzene	NS	2,700	U
1,2-Dichlorobenzene	NS	2,700	U
1,3-Dichlorobenzene	NS	2,700	U
1,4-Dichlorobenzene	NS	2,700	U
2,4,5-Trichlorophenol	100	2,700	U
2,4,6-Trichlorophenol	NS	1,600	U
2,4,Dichlorophenol	400	2,400	U
2,4-Dimethylphenol	NS	2,700	U
2,4-Dinitrophenol	200	13,000	U
2,4-Dinitrotoluene	NS	2,700	U
2,6-Dinitrotoluene	1,000	2,700	U
2-Chloronaphthalene	NS	2,700	U
2-Chlorophenol	NS	2,700	U
2-Methylnaphthalene	36,400	3,300	U
2-Methylphenol	NS	2,700	U
2-Nitroaniline	400	2,700	U
2-Nitrophenol	300	5,900	U
3,3'-Dichlorobenzidine	NS	2,700	U
3+4-Methylphenol	NS	3,900	U
3-Nitroaniline	500	2,700	U
4-Bromophenyl phenyl ether	NS	2,700	U
4-Chloroaniline	220	2,700	U
4-Chlorophenyl phenyl ether	NS	2,700	U
4-Nitroaniline	NS	2,700	U
4-Nitrophenol	100	3,800	U
Acenaphthene	98,000	2,200	U
Acenaphthylene	107,000	2,200	U
Anthracene	1,000,000	1,600	U
Benzo(a)anthracene	1,000	1,600	U
Benzo(a)pyrene	22,000	2,200	U
Benzo(b)fluoranthene	1,700	1,600	U
Benzo(ghi)perylene	1,000,000	2,200	U
Benzo(k)fluoranthene	1,700	1,600	U
Benzoic Acid	2,700	8,800	U
Benzyl alcohol	NS	2,700	U
bis(2-Chloroethoxy)methane	NS	2,900	U
bis(2-Chloroethyl)ether	NS	2,400	U
bis(2-Chloroisopropyl)ether	NS	3,300	U
bis(2-Ethylhexyl)phthalate	435,000	1,900	J
BenzylButylPhthalate	122,000	2,700	U
Carbazole	NS	2,700	U
Chrysene	1,000	1,600	U
Di-n-Butyl Phthalate	8,100	2,700	U
Di-n-octyl Phthalate	120,000	2,700	U
Dibenzo(a,h)anthracene	1,000,000	1,600	U
Dibenzofuran	NS	2,700	U
Diethyl Phthalate	7,100	2,700	U
Dimethyl Phthalate	27,000	2,700	U
Fluoranthene	1,000,000	1,600	U
Fluorene	386,000	2,700	U
Hexachlorobenzene	1,400	1,600	U
Hexachlorobutadiene	NS	2,700	U
Hexachlorocyclopentadiene	NS	7,800	U
Hexachloroethane	NS	2,200	U
Indeno(1,2,3-cd)pyrene	8,200	2,200	U
Isophorone	4,400	2,400	U
N-Nitrosodi-n-propylamine	NS	2,700	U
Naphthalene	12,000	2,700	U
Nitrobenzene	170	2,400	U
Pentachlorophenol	800	2,200	U
Phenanthrene	1,000,000	1,600	U
Phenol	330	2,700	U
Pyrene	1,000,000	1,600	U

Notes:

Notes:

units are in µg/kg

(1) USEPA Region 2 UIC Cleanup Objectives; based upon the Protection of Groundwater Soil Cleanup Objectives in NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8(b) and NYSDEC CP-51

Table 7

Sediment Sample Analytical Results - 8RCRA Metals VOCs by EPA Method 6010/7471

45-35 11th Street, Long Island City, NY

Client Sample ID: Sample Depth: Sampling Date:	USEPA Clean-up Objectives[1]	FD001 0 to 2' 2/14/2014	
Metals by 6010 - mg/kg			
Arsenic as As	16	**12**	
Barium as Ba	820	**120**	
Cadmium as Cd	7.5	**1.3**	
Chromium as Cr	30	**93**	
Lead as Pb	450	**270**	
Mercury as Hg	0.73	**0.31**	
Selenium as Se	3.9	1.2	U
Silver as Ag	8.3	2.6	

All units are mg/kg (ppm)

(1) USEPA Region 2 UIC Cleanup Objectives; based upon the Protection of Groundwater Soil Cleanup Objectives in NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestriced Use of Soil Cleanup Objective Table 375-6.8(b) and NYSDEC CP-51

U : Indicates the analyte was analyzed for but not detected.

Bold values exceed the laboratory MDL

Highlighted values exceed NYSDEC Unrestricted Use SCO

APPENDIX A
LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L1403540
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Rocky Wenskus
Phone:	(631) 589-6353
Project Name:	45-35 11TH ST
Project Number:	SHI1401
Report Date:	02/21/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403540-01	SB001 (0-2)	LONG IS. CITY, NY	02/14/14 12:30
L1403540-02	SB002 (0-2)	LONG IS. CITY, NY	02/14/14 10:15
L1403540-03	SB003 0-2	LONG IS. CITY, NY	02/14/14 10:40
L1403540-04	FD001	LONG IS. CITY, NY	02/14/14 13:30
L1403540-05	GW001 (1-3')	LONG IS. CITY, NY	02/14/14 12:50
L1403540-06	GW002 (1-3')	LONG IS. CITY, NY	02/14/14 10:50

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1403540-01 through -04: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L1403540-04 and -06 have elevated detection limits due to the dilutions required by the sample matrices.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 02/21/14

ORGANICS

VOLATILES

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-01	Date Collected:	02/14/14 12:30
Client ID:	SB001 (0-2)	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/19/14 11:26		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	8.6		ug/kg	5.9	0.90	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	77		70-130

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-02	Date Collected:	02/14/14 10:15
Client ID:	SB002 (0-2)	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/19/14 11:55		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	5.3	J	ug/kg	5.5	0.85	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-03	Date Collected:	02/14/14 10:40
Client ID:	SB003 0-2	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/19/14 12:23		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.40	1
o-Xylene	ND		ug/kg	2.4	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	1.9	J	ug/kg	6.1	0.94	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: 45-35 11TH ST
Project Number: SHI1401
Lab Number: L1403540
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04
Client ID: FD001
Sample Location: LONG IS. CITY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/19/14 12:51
Analyst: BN
Percent Solids: 61%

Date Collected: 02/14/14 13:30
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: 45-35 11TH ST **Lab Number:** L1403540

Project Number: SHI1401 **Report Date:** 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04 Date Collected: 02/14/14 13:30

Client ID: FD001 Date Received: 02/14/14

Sample Location: LONG IS. CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	140		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	12	J	ug/kg	16	0.59	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.33	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
1,4-Dioxane	ND		ug/kg	160	29.	1
1,4-Diethylbenzene	ND		ug/kg	6.6	0.26	1
4-Ethyltoluene	ND		ug/kg	6.6	0.19	1

Project Name: 45-35 11TH ST **Lab Number:** L1403540

Project Number: SHI1401 **Report Date:** 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04 Date Collected: 02/14/14 13:30

Client ID: FD001 Date Received: 02/14/14

Sample Location: LONG IS. CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	99		70-130

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-05	Date Collected:	02/14/14 12:50
Client ID:	GW001 (1-3')	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	02/19/14 00:41		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	11		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-06	Date Collected:	02/14/14 10:50
Client ID:	GW002 (1-3')	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	02/19/14 01:16		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.5	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/14 07:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG671144-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/14 07:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG671144-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/14 07:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG671144-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	0.49	J	ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/19/14 07:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG671144-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/18/14 20:03
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG671145-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/18/14 20:03
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG671145-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/18/14 20:03
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG671145-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG671144-1 WG671144-2								
Methylene chloride	101		100		70-130	1		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	103		99		70-130	4		30
Carbon tetrachloride	107		100		70-130	7		30
1,2-Dichloropropane	104		103		70-130	1		30
Dibromochloromethane	93		93		70-130	0		30
2-Chloroethylvinyl ether	104		103		70-130	1		30
1,1,2-Trichloroethane	100		100		70-130	0		30
Tetrachloroethene	99		93		70-130	6		30
Chlorobenzene	100		96		70-130	4		30
Trichlorofluoromethane	111		104		70-139	7		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	103		97		70-130	6		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
1,1-Dichloropropene	108		100		70-130	8		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	102		103		70-130	1		30
Benzene	100		98		70-130	2		30
Toluene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG671144-1 WG671144-2								
Ethylbenzene	102		97		70-130	5		30
Chloromethane	83		79		52-130	5		30
Bromomethane	125		117		57-147	7		30
Vinyl chloride	93		86		67-130	8		30
Chloroethane	101		97		50-151	4		30
1,1-Dichloroethene	100		95		65-135	5		30
trans-1,2-Dichloroethene	100		97		70-130	3		30
Trichloroethene	104		100		70-130	4		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	106		102		70-130	4		30
Methyl tert butyl ether	90		91		66-130	1		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	98		95		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	98		99		70-130	1		30
Styrene	99		96		70-130	3		30
Dichlorodifluoromethane	69		66		30-146	4		30
Acetone	99		100		54-140	1		30
Carbon disulfide	96		91		59-130	5		30
2-Butanone	92		97		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG671144-1 WG671144-2								
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	90		94		70-130	4		30
1,2,3-Trichloropropane	103		103		68-130	0		30
2-Hexanone	78		81		70-130	4		30
Bromochloromethane	95		97		70-130	2		30
2,2-Dichloropropane	101		95		70-130	6		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	96		93		70-130	3		30
n-Butylbenzene	119		112		70-130	6		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	105		100		70-130	5		30
o-Chlorotoluene	115		110		70-130	4		30
p-Chlorotoluene	108		105		70-130	3		30
1,2-Dibromo-3-chloropropane	90		93		68-130	3		30
Hexachlorobutadiene	103		97		67-130	6		30
Isopropylbenzene	104		99		70-130	5		30
p-Isopropyltoluene	109		103		70-130	6		30
Naphthalene	93		97		70-130	4		30
Acrylonitrile	96		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG671144-1 WG671144-2								
Isopropyl Ether	98		97		66-130	1		30
tert-Butyl Alcohol	86		93		70-130	8		30
n-Propylbenzene	109		104		70-130	5		30
1,2,3-Trichlorobenzene	98		99		70-130	1		30
1,2,4-Trichlorobenzene	105		104		70-130	1		30
1,3,5-Trimethylbenzene	106		101		70-130	5		30
1,2,4-Trimethylbenzene	106		102		70-130	4		30
Methyl Acetate	89		92		51-146	3		30
Ethyl Acetate	82		86		70-130	5		30
Acrolein	86		89		70-130	3		30
Cyclohexane	113		106		59-142	6		30
1,4-Dioxane	100		104		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		106		50-139	7		30
1,4-Diethylbenzene	112		106		70-130	6		30
4-Ethyltoluene	108		103		70-130	5		30
1,2,4,5-Tetramethylbenzene	104		102		70-130	2		30
Tetrahydrofuran	85		87		66-130	2		30
Ethyl ether	90		92		67-130	2		30
trans-1,4-Dichloro-2-butene	105		107		70-130	2		30
Methyl cyclohexane	112		105		70-130	6		30
Ethyl-Tert-Butyl-Ether	94		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH ST

Project Number: SHI1401

Lab Number: L1403540

Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG671144-1 WG671144-2								
Tertiary-Amyl Methyl Ether	91		91		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG671145-1 WG671145-2								
Methylene chloride	122		124		70-130	2		20
1,1-Dichloroethane	113		116		70-130	3		20
Chloroform	113		115		70-130	2		20
Carbon tetrachloride	115		116		63-132	1		20
1,2-Dichloropropane	113		116		70-130	3		20
Dibromochloromethane	114		118		63-130	3		20
1,1,2-Trichloroethane	114		123		70-130	8		20
Tetrachloroethene	112		113		70-130	1		20
Chlorobenzene	110		113		75-130	3		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	118		122		70-130	3		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	114		116		67-130	2		20
trans-1,3-Dichloropropene	114		119		70-130	4		20
cis-1,3-Dichloropropene	117		120		70-130	3		20
1,1-Dichloropropene	116		119		70-130	3		20
Bromoform	107		112		54-136	5		20
1,1,2,2-Tetrachloroethane	115		120		67-130	4		20
Benzene	111		114		70-130	3		20
Toluene	110		111		70-130	1		20
Ethylbenzene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG671145-1 WG671145-2								
Chloromethane	111		118		64-130	6		20
Bromomethane	92		104		39-139	12		20
Vinyl chloride	129		135		55-140	5		20
Chloroethane	109		118		55-138	8		20
1,1-Dichloroethene	115		119		61-145	3		20
trans-1,2-Dichloroethene	114		115		70-130	1		20
Trichloroethene	113		118		70-130	4		20
1,2-Dichlorobenzene	112		113		70-130	1		20
1,3-Dichlorobenzene	113		112		70-130	1		20
1,4-Dichlorobenzene	111		112		70-130	1		20
Methyl tert butyl ether	118		123		63-130	4		20
p/m-Xylene	114		115		70-130	1		20
o-Xylene	114		115		70-130	1		20
cis-1,2-Dichloroethene	115		115		70-130	0		20
Dibromomethane	121		128		70-130	6		20
1,2,3-Trichloropropane	109		117		64-130	7		20
Acrylonitrile	127		130		70-130	2		20
Styrene	117		118		70-130	1		20
Dichlorodifluoromethane	111		114		36-147	3		20
Acetone	119		123		58-148	3		20
Carbon disulfide	115		122		51-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG671145-1 WG671145-2								
2-Butanone	118		128		63-138	8		20
Vinyl acetate	115		126		70-130	9		20
4-Methyl-2-pentanone	113		120		59-130	6		20
2-Hexanone	106		113		57-130	6		20
Bromochloromethane	119		120		70-130	1		20
2,2-Dichloropropane	119		119		63-133	0		20
1,2-Dibromoethane	115		121		70-130	5		20
1,3-Dichloropropane	115		118		70-130	3		20
1,1,1,2-Tetrachloroethane	113		112		64-130	1		20
Bromobenzene	110		112		70-130	2		20
n-Butylbenzene	115		114		53-136	1		20
sec-Butylbenzene	115		116		70-130	1		20
tert-Butylbenzene	112		113		70-130	1		20
o-Chlorotoluene	112		111		70-130	1		20
p-Chlorotoluene	112		112		70-130	0		20
1,2-Dibromo-3-chloropropane	109		119		41-144	9		20
Hexachlorobutadiene	110		111		63-130	1		20
Isopropylbenzene	108		109		70-130	1		20
p-Isopropyltoluene	114		114		70-130	0		20
Naphthalene	118		129		70-130	9		20
n-Propylbenzene	110		112		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH ST

Project Number: SHI1401

Lab Number: L1403540

Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG671145-1 WG671145-2								
1,2,3-Trichlorobenzene	116		125		70-130	7		20
1,2,4-Trichlorobenzene	117		120		70-130	3		20
1,3,5-Trimethylbenzene	112		112		64-130	0		20
1,2,4-Trimethylbenzene	114		114		70-130	0		20
1,4-Dioxane	142		148		56-162	4		20
1,4-Diethylbenzene	114		114		70-130	0		20
4-Ethyltoluene	112		111		70-130	1		20
1,2,4,5-Tetramethylbenzene	112		112		70-130	0		20
Ethyl ether	117		122		59-134	4		20
trans-1,4-Dichloro-2-butene	111		116		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		104		70-130

SEMIVOLATILES

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-01 D	Date Collected:	02/14/14 12:30
Client ID:	SB001 (0-2)	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/15/14 10:50
Analytical Date:	02/20/14 01:47		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1700		ug/kg	300	78.	2
Fluoranthene	11000		ug/kg	230	70.	2
Naphthalene	1600		ug/kg	380	130	2
Benzo(a)anthracene	4200		ug/kg	230	75.	2
Benzo(a)pyrene	3700		ug/kg	300	93.	2
Benzo(b)fluoranthene	4500		ug/kg	230	77.	2
Benzo(k)fluoranthene	1800		ug/kg	230	73.	2
Chrysene	4600		ug/kg	230	75.	2
Acenaphthylene	470		ug/kg	300	71.	2
Anthracene	2600		ug/kg	230	63.	2
Benzo(ghi)perylene	1900		ug/kg	300	79.	2
Fluorene	1800		ug/kg	380	110	2
Phenanthrene	14000		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	540		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	300	85.	2
Pyrene	9200		ug/kg	230	74.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	75		30-120
4-Terphenyl-d14	64		18-120

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-02	D2	Date Collected:	02/14/14 10:15
Client ID:	SB002 (0-2)		Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/15/14 10:50
Analytical Date:	02/20/14 17:55			
Analyst:	JB			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	26000		ug/kg	1100	330	10
Phenanthrene	32000		ug/kg	1100	360	10
Pyrene	22000		ug/kg	1100	350	10

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-02 D	Date Collected:	02/14/14 10:15
Client ID:	SB002 (0-2)	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/15/14 10:50
Analytical Date:	02/20/14 02:13		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4300		ug/kg	290	75.	2
Fluoranthene	26000	E	ug/kg	220	67.	2
Naphthalene	2500		ug/kg	360	120	2
Benzo(a)anthracene	9500		ug/kg	220	71.	2
Benzo(a)pyrene	8200		ug/kg	290	89.	2
Benzo(b)fluoranthene	10000		ug/kg	220	74.	2
Benzo(k)fluoranthene	3600		ug/kg	220	70.	2
Chrysene	10000		ug/kg	220	72.	2
Acenaphthylene	860		ug/kg	290	68.	2
Anthracene	6100		ug/kg	220	61.	2
Benzo(ghi)perylene	4400		ug/kg	290	76.	2
Fluorene	3600		ug/kg	360	100	2
Phenanthrene	32000	E	ug/kg	220	71.	2
Dibenzo(a,h)anthracene	1100		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	4800		ug/kg	290	81.	2
Pyrene	22000	E	ug/kg	220	71.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	71		18-120

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-03	Date Collected:	02/14/14 10:40
Client ID:	SB003 0-2	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/15/14 10:50
Analytical Date:	02/20/14 02:38		
Analyst:	JB		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
Fluoranthene	200		ug/kg	120	37.	1
Naphthalene	ND		ug/kg	200	66.	1
Benzo(a)anthracene	83	J	ug/kg	120	39.	1
Benzo(a)pyrene	70	J	ug/kg	160	49.	1
Benzo(b)fluoranthene	96	J	ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	80	J	ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	53	J	ug/kg	120	33.	1
Benzo(ghi)perylene	50	J	ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	110	J	ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	52	J	ug/kg	160	44.	1
Pyrene	200		ug/kg	120	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	59		18-120

Project Name: 45-35 11TH ST **Lab Number:** L1403540

Project Number: SHI1401 **Report Date:** 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-04 D	Date Collected:	02/14/14 13:30
Client ID:	FD001	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/15/14 10:50
Analytical Date:	02/20/14 01:22		
Analyst:	JB		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2200	560	10
1,2,4-Trichlorobenzene	ND		ug/kg	2700	890	10
Hexachlorobenzene	ND		ug/kg	1600	510	10
Bis(2-chloroethyl)ether	ND		ug/kg	2400	760	10
2-Chloronaphthalene	ND		ug/kg	2700	890	10
1,2-Dichlorobenzene	ND		ug/kg	2700	900	10
1,3-Dichlorobenzene	ND		ug/kg	2700	860	10
1,4-Dichlorobenzene	ND		ug/kg	2700	830	10
3,3'-Dichlorobenzidine	ND		ug/kg	2700	730	10
2,4-Dinitrotoluene	ND		ug/kg	2700	590	10
2,6-Dinitrotoluene	ND		ug/kg	2700	700	10
Fluoranthene	ND		ug/kg	1600	500	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2700	830	10
4-Bromophenyl phenyl ether	ND		ug/kg	2700	630	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	3300	960	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2900	830	10
Hexachlorobutadiene	ND		ug/kg	2700	770	10
Hexachlorocyclopentadiene	ND		ug/kg	7800	1800	10
Hexachloroethane	ND		ug/kg	2200	500	10
Isophorone	ND		ug/kg	2400	730	10
Naphthalene	ND		ug/kg	2700	910	10
Nitrobenzene	ND		ug/kg	2400	650	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2200	570	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2700	810	10
Bis(2-Ethylhexyl)phthalate	1900	J	ug/kg	2700	720	10
Butyl benzyl phthalate	ND		ug/kg	2700	530	10
Di-n-butylphthalate	ND		ug/kg	2700	530	10
Di-n-octylphthalate	ND		ug/kg	2700	670	10
Diethyl phthalate	ND		ug/kg	2700	580	10
Dimethyl phthalate	ND		ug/kg	2700	690	10
Benzo(a)anthracene	ND		ug/kg	1600	530	10

Project Name: 45-35 11TH ST **Lab Number:** L1403540

Project Number: SHI1401 **Report Date:** 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04 D Date Collected: 02/14/14 13:30

Client ID: FD001 Date Received: 02/14/14

Sample Location: LONG IS. CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	2200	670	10
Benzo(b)fluoranthene	ND		ug/kg	1600	550	10
Benzo(k)fluoranthene	ND		ug/kg	1600	520	10
Chrysene	ND		ug/kg	1600	540	10
Acenaphthylene	ND		ug/kg	2200	510	10
Anthracene	ND		ug/kg	1600	450	10
Benzo(ghi)perylene	ND		ug/kg	2200	570	10
Fluorene	ND		ug/kg	2700	780	10
Phenanthrene	ND		ug/kg	1600	530	10
Dibenzo(a,h)anthracene	ND		ug/kg	1600	530	10
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	2200	610	10
Pyrene	ND		ug/kg	1600	530	10
Biphenyl	ND		ug/kg	6200	900	10
4-Chloroaniline	ND		ug/kg	2700	720	10
2-Nitroaniline	ND		ug/kg	2700	770	10
3-Nitroaniline	ND		ug/kg	2700	750	10
4-Nitroaniline	ND		ug/kg	2700	740	10
Dibenzofuran	ND		ug/kg	2700	910	10
2-Methylnaphthalene	ND		ug/kg	3300	870	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2700	840	10
Acetophenone	ND		ug/kg	2700	850	10
2,4,6-Trichlorophenol	ND		ug/kg	1600	510	10
P-Chloro-M-Cresol	ND		ug/kg	2700	790	10
2-Chlorophenol	ND		ug/kg	2700	820	10
2,4-Dichlorophenol	ND		ug/kg	2400	880	10
2,4-Dimethylphenol	ND		ug/kg	2700	810	10
2-Nitrophenol	ND		ug/kg	5900	850	10
4-Nitrophenol	ND		ug/kg	3800	880	10
2,4-Dinitrophenol	ND		ug/kg	13000	3700	10
4,6-Dinitro-o-cresol	ND		ug/kg	7100	1000	10
Pentachlorophenol	ND		ug/kg	2200	580	10
Phenol	ND		ug/kg	2700	810	10
2-Methylphenol	ND		ug/kg	2700	880	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3900	900	10
2,4,5-Trichlorophenol	ND		ug/kg	2700	880	10
Benzoic Acid	ND		ug/kg	8800	2800	10
Benzyl Alcohol	ND		ug/kg	2700	840	10
Carbazole	ND		ug/kg	2700	590	10

Project Name: 45-35 11TH ST **Lab Number:** L1403540

Project Number: SHI1401 **Report Date:** 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04 D Date Collected: 02/14/14 13:30

Client ID: FD001 Date Received: 02/14/14

Sample Location: LONG IS. CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	43		18-120

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-05	Date Collected:	02/14/14 12:50
Client ID:	GW001 (1-3')	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/18/14 10:16
Analytical Date:	02/19/14 13:52		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.4		ug/l	0.20	0.06	1
Fluoranthene	0.62		ug/l	0.20	0.04	1
Naphthalene	1.6		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.09	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.10	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.40		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.84		ug/l	0.20	0.06	1
Phenanthrene	1.4		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.43		ug/l	0.20	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		15-120
4-Terphenyl-d14	66		41-149

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID:	L1403540-06 D	Date Collected:	02/14/14 10:50
Client ID:	GW002 (1-3')	Date Received:	02/14/14
Sample Location:	LONG IS. CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/18/14 10:16
Analytical Date:	02/19/14 15:13		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	2.6		ug/l	0.40	0.13	2
Fluoranthene	0.96		ug/l	0.40	0.09	2
Naphthalene	0.21	J	ug/l	0.40	0.13	2
Benzo(a)anthracene	0.11	J	ug/l	0.40	0.11	2
Benzo(a)pyrene	ND		ug/l	0.40	0.14	2
Benzo(b)fluoranthene	ND		ug/l	0.40	0.14	2
Benzo(k)fluoranthene	ND		ug/l	0.40	0.14	2
Chrysene	0.10	J	ug/l	0.40	0.10	2
Acenaphthylene	ND		ug/l	0.40	0.10	2
Anthracene	0.24	J	ug/l	0.40	0.13	2
Benzo(ghi)perylene	ND		ug/l	0.40	0.14	2
Fluorene	0.66		ug/l	0.40	0.11	2
Phenanthrene	0.97		ug/l	0.40	0.13	2
Dibenzo(a,h)anthracene	ND		ug/l	0.40	0.15	2
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.40	0.16	2
Pyrene	0.67		ug/l	0.40	0.11	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	88		15-120
4-Terphenyl-d14	117		41-149

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/14 11:20
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/15/14 10:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG670616-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/14 11:20
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/15/14 10:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG670616-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/17/14 11:20
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/15/14 10:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG670616-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	92		18-120

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/14 11:25
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/18/14 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG670952-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/14 11:25
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/18/14 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG670952-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	65		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG670616-2 WG670616-3								
Acenaphthene	85		80		31-137	6		50
1,2,4-Trichlorobenzene	85		78		38-107	9		50
Hexachlorobenzene	97		90		40-140	7		50
Bis(2-chloroethyl)ether	80		71		40-140	12		50
2-Chloronaphthalene	90		81		40-140	11		50
1,2-Dichlorobenzene	86		75		40-140	14		50
1,3-Dichlorobenzene	85		75		40-140	13		50
1,4-Dichlorobenzene	82		75		28-104	9		50
3,3'-Dichlorobenzidine	47		42		40-140	11		50
2,4-Dinitrotoluene	88		**90**	Q	28-89	2		50
2,6-Dinitrotoluene	98		86		40-140	13		50
Fluoranthene	92		81		40-140	13		50
4-Chlorophenyl phenyl ether	86		82		40-140	5		50
4-Bromophenyl phenyl ether	94		87		40-140	8		50
Bis(2-chloroisopropyl)ether	74		65		40-140	13		50
Bis(2-chloroethoxy)methane	88		79		40-117	11		50
Hexachlorobutadiene	84		76		40-140	10		50
Hexachlorocyclopentadiene	79		67		40-140	16		50
Hexachloroethane	84		72		40-140	15		50
Isophorone	89		79		40-140	12		50
Naphthalene	83		76		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG670616-2 WG670616-3								
Nitrobenzene	82		70		40-140	16		50
NitrosoDiPhenylAmine(NDPA)/DPA	91		87			4		50
n-Nitrosodi-n-propylamine	88		79		32-121	11		50
Bis(2-Ethylhexyl)phthalate	92		85		40-140	8		50
Butyl benzyl phthalate	91		80		40-140	13		50
Di-n-butylphthalate	90		78		40-140	14		50
Di-n-octylphthalate	92		80		40-140	14		50
Diethyl phthalate	86		82		40-140	5		50
Dimethyl phthalate	88		80		40-140	10		50
Benzo(a)anthracene	88		81		40-140	8		50
Benzo(a)pyrene	90		81		40-140	11		50
Benzo(b)fluoranthene	89		81		40-140	9		50
Benzo(k)fluoranthene	84		79		40-140	6		50
Chrysene	88		79		40-140	11		50
Acenaphthylene	92		81		40-140	13		50
Anthracene	87		78		40-140	11		50
Benzo(ghi)perylene	87		81		40-140	7		50
Fluorene	88		83		40-140	6		50
Phenanthrene	85		79		40-140	7		50
Dibenzo(a,h)anthracene	93		82		40-140	13		50
Indeno(1,2,3-cd)Pyrene	93		83		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG670616-2 WG670616-3								
Pyrene	86		78		35-142	10		50
Biphenyl	86		79			8		50
4-Chloroaniline	**31**	Q	**27**	Q	40-140	14		50
2-Nitroaniline	98		84		47-134	15		50
3-Nitroaniline	40		36		26-129	11		50
4-Nitroaniline	88		85		41-125	3		50
Dibenzofuran	84		83		40-140	1		50
2-Methylnaphthalene	89		81		40-140	9		50
1,2,4,5-Tetrachlorobenzene	88		80		40-117	10		50
Acetophenone	92		82		14-144	11		50
2,4,6-Trichlorophenol	100		87		30-130	14		50
P-Chloro-M-Cresol	95		85		26-103	11		50
2-Chlorophenol	92		81		25-102	13		50
2,4-Dichlorophenol	96		83		30-130	15		50
2,4-Dimethylphenol	87		78		30-130	11		50
2-Nitrophenol	95		83		30-130	13		50
4-Nitrophenol	100		93		11-114	7		50
2,4-Dinitrophenol	84		81		4-130	4		50
4,6-Dinitro-o-cresol	91		85		10-130	7		50
Pentachlorophenol	95		85		17-109	11		50
Phenol	85		74		26-90	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH ST

Project Number: SHI1401

Lab Number: L1403540

Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG670616-2 WG670616-3								
2-Methylphenol	93		81		30-130.	14		50
3-Methylphenol/4-Methylphenol	96		83		30-130	15		50
2,4,5-Trichlorophenol	102		87		30-130	16		50
Benzoic Acid	93		79			16		50
Benzyl Alcohol	90		81		40-140	11		50
Carbazole	90		80		54-128	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		79		25-120
Phenol-d6	91		83		10-120
Nitrobenzene-d5	86		76		23-120
2-Fluorobiphenyl	90		81		30-120
2,4,6-Tribromophenol	93		83		0-136
4-Terphenyl-d14	87		81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG670952-2 WG670952-3								
Acenaphthene	65		66		37-111	2		40
2-Chloronaphthalene	58		60		40-140	3		40
Fluoranthene	65		69		40-140	6		40
Hexachlorobutadiene	54		53		40-140	2		40
Naphthalene	60		59		40-140	2		40
Benzo(a)anthracene	65		71		40-140	9		40
Benzo(a)pyrene	67		70		40-140	4		40
Benzo(b)fluoranthene	66		67		40-140	2		40
Benzo(k)fluoranthene	72		75		40-140	4		40
Chrysene	68		73		40-140	7		40
Acenaphthylene	67		67		40-140	0		40
Anthracene	57		62		40-140	8		40
Benzo(ghi)perylene	66		66		40-140	0		40
Fluorene	66		68		40-140	3		40
Phenanthrene	57		56		40-140	2		40
Dibenzo(a,h)anthracene	69		69		40-140	0		40
Indeno(1,2,3-cd)Pyrene	69		69		40-140	0		40
Pyrene	63		68		26-127	8		40
2-Methylnaphthalene	63		62		40-140	2		40
Pentachlorophenol	83		87		9-103	5		40
Hexachlorobenzene	61		66		40-140	8		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH ST

Project Number: SHI1401

Lab Number: L1403540

Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG670952-2 WG670952-3								
Hexachloroethane	60		61		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		46		21-120
Phenol-d6	33		33		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	64		64		15-120
2,4,6-Tribromophenol	70		74		10-120
4-Terphenyl-d14	77		83		41-149

METALS

Project Name: 45-35 11TH ST
Lab Number: L1403540
Project Number: SHI1401
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04
Client ID: FD001
Sample Location: LONG IS. CITY, NY
Matrix: Soil
Percent Solids: 61%

Date Collected: 02/14/14 13:30
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	12		mg/kg	0.62	0.12	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.62	0.18	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Cadmium, Total	1.3		mg/kg	0.62	0.04	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Chromium, Total	93		mg/kg	0.62	0.12	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Lead, Total	270		mg/kg	3.1	0.12	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Mercury, Total	0.31		mg/kg	0.10	0.02	1	02/18/14 13:18	02/18/14 15:47	EPA 7471B	1,7471B	MC
Selenium, Total	ND		mg/kg	1.2	0.18	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG
Silver, Total	2.6		mg/kg	0.62	0.12	1	02/17/14 11:51	02/17/14 18:34	EPA 3050B	1,6010C	MG

Project Name: 45-35 11TH ST
Project Number: SHI1401
Lab Number: L1403540
Report Date: 02/21/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG670761-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	02/17/14 11:51	02/17/14 17:03	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG670927-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/18/14 13:18	02/18/14 15:11	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH ST

Project Number: SHI1401

Lab Number: L1403540

Report Date: 02/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG670761-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	92		-		83-118	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Lead, Total	92		-		80-120	-		
Selenium, Total	95		-		80-120	-		
Silver, Total	94		-		66-134	-		
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG670927-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG670761-4 QC Sample: L1403554-01 Client ID: MS Sample												
Arsenic, Total	1.9	10.8	12	93		-	-		75-125	-		35
Barium, Total	26.	181	190	91		-	-		75-125	-		35
Cadmium, Total	ND	4.61	4.0	87		-	-		75-125	-		35
Chromium, Total	7.3	18.1	24	92		-	-		75-125	-		35
Lead, Total	20.	46.1	54	**74**	Q	-	-		75-125	-		35
Selenium, Total	ND	10.8	9.2	85		-	-		75-125	-		35
Silver, Total	ND	27.1	24	88		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG670927-4 QC Sample: L1403463-02 Client ID: MS Sample												
Mercury, Total	0.17	0.184	0.39	120		-	-		80-120	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG670761-3 QC Sample: L1403554-01 Client ID: DUP Sample						
Arsenic, Total	1.9	1.4	mg/kg	30		35
Barium, Total	26.	22	mg/kg	17		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	7.3	6.5	mg/kg	12		35
Lead, Total	20.	10	mg/kg	**67**	Q	35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG670927-3 QC Sample: L1403463-02 Client ID: DUP Sample						
Mercury, Total	0.17	0.15	mg/kg	13		35

INORGANICS
&
MISCELLANEOUS

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-01
Client ID: SB001 (0-2)
Sample Location: LONG IS. CITY, NY
Matrix: Soil

Date Collected: 02/14/14 12:30
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	02/17/14 19:21	30,2540G	RT

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-02
Client ID: SB002 (0-2)
Sample Location: LONG IS. CITY, NY
Matrix: Soil

Date Collected: 02/14/14 10:15
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	02/17/14 19:21	30,2540G	RT

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-03
Client ID: SB003 0-2
Sample Location: LONG IS. CITY, NY
Matrix: Soil

Date Collected: 02/14/14 10:40
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	02/17/14 19:21	30,2540G	RT

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

SAMPLE RESULTS

Lab ID: L1403540-04
Client ID: FD001
Sample Location: LONG IS. CITY, NY
Matrix: Soil

Date Collected: 02/14/14 13:30
Date Received: 02/14/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.6		%	0.100	NA	1	-	02/17/14 19:21	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG670842-1 QC Sample: L1403524-01 Client ID: DUP Sample						
Solids, Total	79.4	78.1	%	2		20

Project Name: 45-35 11TH ST
Project Number: SHI1401

Lab Number: L1403540
Report Date: 02/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403540-01A	Vial Large Septa unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8270(14),TS(7)
L1403540-01B	Vial Large unpreserved split	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-02A	Vial Large Septa unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-02B	Amber 250ml unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8270(14),TS(7)
L1403540-03A	Vial Large Septa unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-03B	Amber 250ml unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8270(14),TS(7)
L1403540-04A	Vial Large Septa unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-04B	Amber 250ml unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1403540-05A	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-05B	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-05C	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-05D	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	NYTCL-8270-SIM(7)
L1403540-06A	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-06B	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-06C	Vial HCl preserved	A	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1403540-06D	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	NYTCL-8270-SIM(7)
L1403540-06E	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	NYTCL-8270-SIM(7)

Container Comments

L1403540-01B

L1403540-02A

L1403540-03A

L1403540-04A

*Values in parentheses indicate holding time in days

Project Name:	45-35 11TH ST	**Lab Number:**	L1403540
Project Number:	SHI1401	**Report Date:**	02/21/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	45-35 11TH ST	**Lab Number:**	L1403540
Project Number:	SHI1401	**Report Date:**	02/21/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 45-35 11TH ST
Project Number: SHI1401
Lab Number: L1403540
Report Date: 02/21/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/14/14

ALPHA Job #: L1403590

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: RockyW@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 45-35 11th St
Project Location: Long Is. City, NY
Project #: SHI1401
Project Manager: Rocky Wenskus
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/21/14 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (CO-51)	SVOC (CO-51)	VOC	SVOC	RCRA Metals	Sample Specific Comments	TOTAL # BOTTLES
03540-01	SB001 (0-2)	2/14/14	12:30	S	AM	X	X					1
-02	SB002 (0-2)		10:15			X	X					2
-03	SB003 0-2		10:40			X	X					2
-04	FD001		13:30					X	X	X		2
-05	GW001 (1-3')		12:50	GW		X	X					4
-06	GW002 (1-3')		10:50			X	X					5

Container Type												
Preservative												

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

Relinquished By:	Date/Time	Received By:	Date/Time
Tom Tolan	2/14/14 16:00	Tom Tolan	2-14-14 16:00
	2-14-14 1937		2-14-14 1937
	2-14-14 23:20		2/14/14 23:20

FORM NO: 01-01 (rev. 14-OCT-07)

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

June 16, 2014

Site Identification:	**45-35 11th Street Queens, New York City, New York**
Tax Lot Identification:	**Block 54, Lot 20**
Property Description:	**0.3-acre property containing one, one- and two-story commercial building**

ESI File: GQ14076.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

Ecosystems Strategies, Inc.

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

June 16, 2014

ESI File: GQ14076.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

GDC Properties
245 Saw Mill River Road
Hawthorne, New York 10532

Phase I Environmental Site Assessment services performed by Ecosystems Strategies, Inc. have been conducted in accordance with ASTM Method E 1527-13.

The undersigned has reviewed this Phase I Environmental Site Assessment and certifies to GDC Properties that the information provided in this document is accurate as of the date of issuance by this office.

Paul H. Ciminello
President

TABLE OF CONTENTS

FIGURES AND TABLES

APPENDICES

EXECUTIVE SUMMARY

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 on the property located at 45-35 12th Street, Long Island City, Borough of Queens, New York City, New York.

The goal of a Phase I ESA is to identify Recognized Environmental Conditions (RECs), including Controlled RECs and Historical RECs (see Section 1.4 for definitions of important terms). In addition to RECs, ESI has attempted to identify:

1. Conditions that do not meet the threshold to be considered a REC but nonetheless represent a significant existing and/or likely environmental liability; and,
2. De minimis conditions that generally do not present a significant threat and would not be the subject of an enforcement action if brought to the attention of regulatory authorities.

ESI's findings, conclusions and recommendations are presented in Section 4.0 of this Phase I ESA and are summarized below.

Subject Property Description and History

The subject property is an approximately 0.3-acre commercial parcel located in an urban setting, which may have been developed as early as the 1920s. The current on-site building, constructed circa 1948, has been used as a warehouse and manufacturing facility, and is designated as an "E" restricted site, due to the potential for soil, soil gas, and groundwater contamination. Elevated concentrations of SVOCs and metals in soil, and low-level impacts from naphthalene in groundwater, were documented during a previous limited subsurface investigation in 2013 (SVOCs were found near an abandoned-in-place vaulted AST and metals were found near an inactive floor drain). Although current commercial use of the property is not likely to represent a significant environmental threat, these findings suggest that previous manufacturing activities may have impacted the property. The AST does not appear to be registered with the NYSDEC and there is no documentation of proper tank closure.

Recognized Environmental Conditions

RECs Identified in Connection with the Subject Property	Recommendations
Potential for petroleum releases at an abandoned fuel-oil aboveground storage tank (AST) and documented soil contamination in the vicinity of the AST and a closed floor drain	Documented contamination near the AST and floor drain should be further delineated during future environmental investigations conducted to satisfy requirements associated with the E designation.

HRECs and Significant Existing or Potential Environmental Liabilities

ESI has identified no HRECS or other conditions indicating significant existing or potential environmental liabilities

De Minimis Conditions

Identified or Suspect Condition	Recommendations
Storage of small quantities of paints and chemicals	Properly store containers; maintain appropriate absorbent materials in all areas where releases could potentially occur
Asbestos-containing materials (ACM) and lead-based paint (LBP)	Test suspect material encountered during maintenance, renovation, or demolition for ACM and/or LBP; handle all known or suspect materials in accordance with applicable regulations
Hydraulic machinery may contain PCBs	Test suspect material encountered during maintenance, renovation, or demolition for PCBs; handle all known or suspect materials in accordance with applicable regulations

1.0 INTRODUCTION

1.1 Purpose of the Investigation

This Phase I Environmental Site Assessment (Phase I ESA) identifies recognized environmental conditions (RECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials on the property located at 45-35 11th Street, Queens, New York City, New York (property descriptions are presented in Sections 2.1 and 3.3.2).

1.2 Methodology

This Phase I ESA has been prepared in conformance with guidelines set forth by the American Society for Testing and Materials (ASTM) Method E1527-13 (with the exception that the basement could not be fully inspected due to the presence of water). The detailed Scope of Services adhered to in this investigation is provided as Appendix H. This environmental site assessment was performed under the direct supervision and responsible charge of a qualified environmental professional (see Appendix G), following the requirements for "all appropriate inquiry" as defined in 40 CFR Part 312.

Ecosystems Strategies, Inc. (ESI) performed the following work:

1. Investigation of the subject property's history and characteristics through the analysis of available historical maps, local and regional maps, local governmental and/or Tribal records, and information provided by subject property representatives and other knowledgeable individuals (see Section 5.0 for references).
2. Review of Federal, State, and/or Tribal regulatory-agency computer databases and printed records for documentation of potential environmental liabilities relevant to the property, consistent with (or exceeding) applicable ASTM requirements.
3. Inspection of the property by Jerry Bernau of ESI on June 3, 2014 (Paul J. Yuras, the real estate agent, was present during the site inspection).

1.3 Limitations

This Phase I ESA is an evaluation of the property described in Section 2.1 below and is not valid for any other property or location. It is a representation of the property analyzed as of the dates that services were provided. This Phase I ESA cannot be held accountable for activities or events resulting in environmental liability after the respective dates of the site inspection or historical and regulatory research.

This Phase I ESA is based in part on certain information provided in writing or verbally by federal, state, and local officials (including public records) and other parties referenced herein. The accuracy or completeness of this information was not independently verified. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment.

1.4 Key Definitions

Definitions of some common terms found in ASTM Standard 1527-13, as used in this Phase I ESA, are provided below.

Practically Reviewable

Information that is provided by a source in a manner and in a form that yields information relevant to the property without the need for extraordinary analysis of irrelevant data is Practically Reviewable. Records must be for a limited geographic area. Records arranged chronologically, lacking adequate address information to be located geographically, in large databases that are not sorted by zip code, or are so numerous to be unmanageable are not generally practically reviewable (i.e. data cannot be feasibly reviewed for its impact on the property).

Reasonably Ascertainable

Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable is Reasonably Ascertainable.

Recognized Environmental Condition (REC)

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A material threat is a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and might result in impact to public health or the environment.

The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

De minimis conditions (i.e. conditions that generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies) are not RECs.

Controlled Recognized Environmental Condition (CREC)

A REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to remaining contaminants, or to prevent activities that could interfere with the effectiveness of a response action).

Historical Recognized Environmental Condition (HREC)

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.0 SITE LOCATION AND DESCRIPTION

2.1 Description of the Subject Property

The subject property as defined in this Phase I ESA consists of the approximately 0.3-acre property located at 45-35 11th Street, Queens, New York (identified as Borough of Queens tax lot parcel: Block 54, Lot 20). A Site Location Map is provided on Page 7.

The property is a rectangular-shaped parcel located on eastern side of 11th Street, southern side of 45th Road, and northern side of 46th Avenue, containing one, one- and two-story commercial building. A map illustrating the layout of the property is provided on Page 8 and photographs of the property are provided in Appendix A.

2.1.1 Site Topography

Information on the subject property's topography was obtained from the review of the United States Geological Survey Topographic Map of the Brooklyn, New York Quadrangle (a copy of the relevant portion of this map, with the subject property indicated, is provided in Appendix B).

The property is located within an area with gentle downward slopes to the west, towards the East River. The property is shown with a surface elevation of 10 feet above mean sea level. No on-site structures are depicted on the map (the property is located in an urban area where only selected landmark buildings are depicted). The map did not indicate the presence of any soil/gravel mining operations or unusual topographic patterns indicative of landfilling activities on the subject property.

Observations made during the site inspection are in general agreement with conditions depicted on the topographic map.

2.1.2 Site Geology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that soils on the subject property are likely to be derived from glacial till which overlies hard crystalline bedrock. Soil maps presented in the New York City Reconnaissance Soil Survey (Soil Survey), issued by the New York City Soil and Water Conservation District, indicate that the Pavement & Buildings, wet substratum-LaGuardia-Ebbets complex, 0 to 8 percent slopes soil series is present at the subject property. These soils consist of urbanized land with a mix of natural soil and fill materials constructed over swamp, tidal march, or water, with up to 80 percent impervious structures covering the surface. [Note: the Soil Survey provides only a general guide to soil patterns across the city.] The presence of an on-site structure suggests that soils located on the property may have been altered by cutting, regrading and/or filling activities.

The Soil Survey does not provide information regarding depth to bedrock for these soils. No bedrock was observed on the property.

A Limited Phase II Environmental Site Assessment issued for the subject property in March 2013 (see Section 3.1.7, Previous Environmental Reports) documented subsurface material beneath the basement floor consisting of variable texture sand with silt and gravel, overlying a boggy organic layer at 2' bsg.

No other information regarding site-specific investigations of the subsurface (e.g., test pits or borings) was found in readily available records or was provided by subject property representatives.

2.1.3 Subsurface Hydrogeology

The Soil Survey does not specifically indicate groundwater depth information for on-site soils. A previous Phase II investigation (see Section 3.1.7, Previous Environmental Reports) documented that groundwater is present at 2 feet below the basement floor (approximately 10 feet below surface grade [bsg]). No other data documenting groundwater depth, or site-specific investigation of groundwater direction of flow, has been reviewed by this office. Shallow groundwater flow in the vicinity of the property is likely to follow overall surficial topography and be to the west, toward the East River (located approximately 0.2 mile from the property).

2.1.4 Surface Hydrology and Wetlands

Information regarding on-site surface hydrology was obtained from the review of applicable maps, including the New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map and the United States Department of the Interior National Wetlands Inventory Map, and from observations made during the site inspection. According to these sources, there are no surface waterbodies, wet areas, or regulated wetlands on or near the property. Relevant portions of the state and federal wetlands maps are included in Appendix B.

Flood Plains

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) for New York City, New York, community-panel number 3604970202F, the subject property is located in a 500-year flood plain.

2.1.5 Sensitive Environmental Receptors

Sensitive Environmental Receptors (SERs) are valued physical, biological and/or man-made features that may be adversely impacted by environmental contamination, and where a discharge or release could pose a greater threat than a discharge or release to other less valued areas. SERs include (but are not limited to) potable supply wells, wetlands, and protected wildlife habitat.

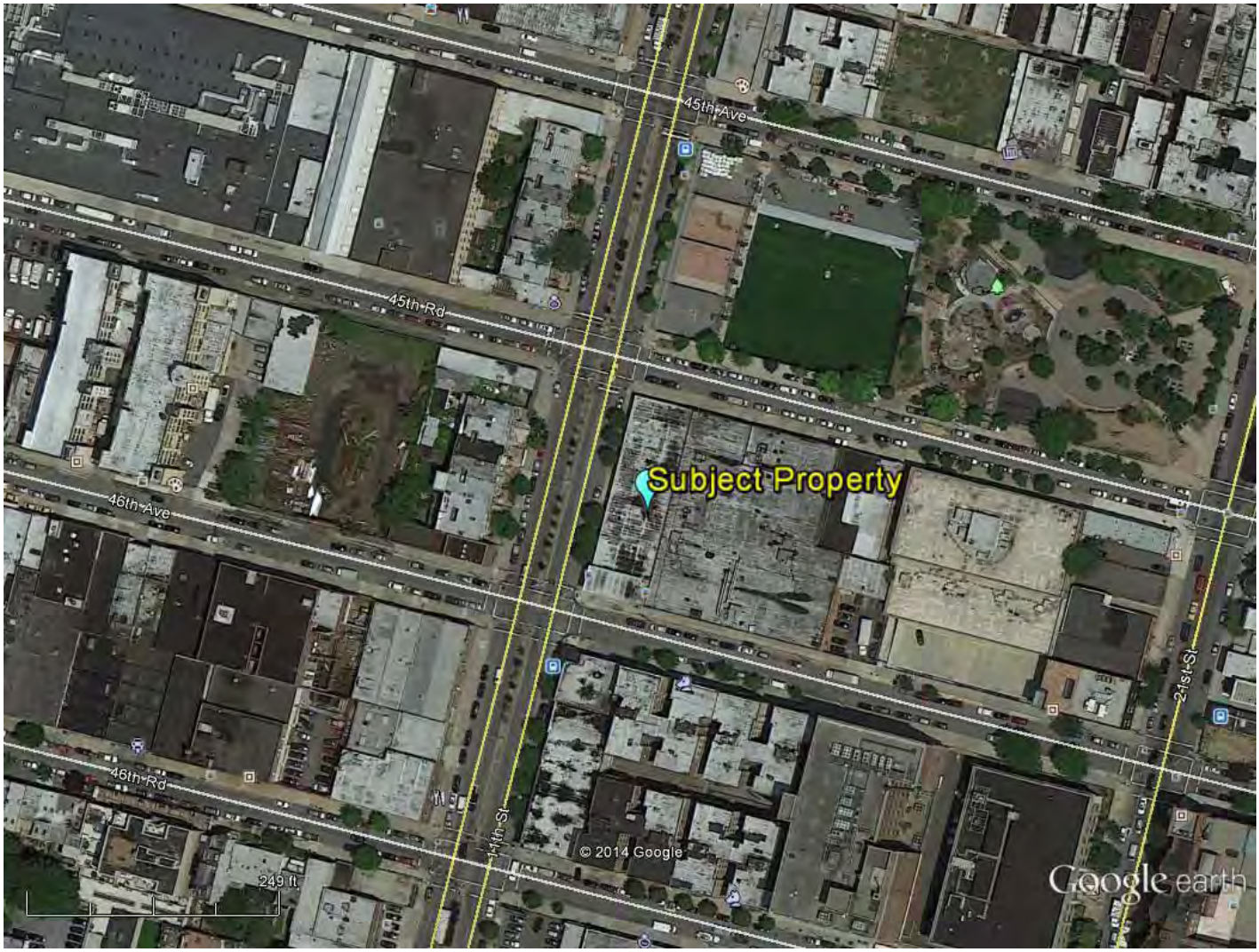
The review of maps and observations made during the site inspection indicate that no SERs are located on or in the immediate vicinity of the subject property.

2.2 Description of Adjoining and Surrounding Area Properties

The subject property is located in an urban area comprised primarily of multi-family residential and commercial properties. A description of the adjoining and nearby properties is provided in Table 1, below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• John F. Murray Playground	• Commercial • Residential
East	• Shine Electronics, manufacturing	• Commercial
South	• Multi-family residential	• Commercial • Residential
West	• Multi-family residential	• Commercial • Residential

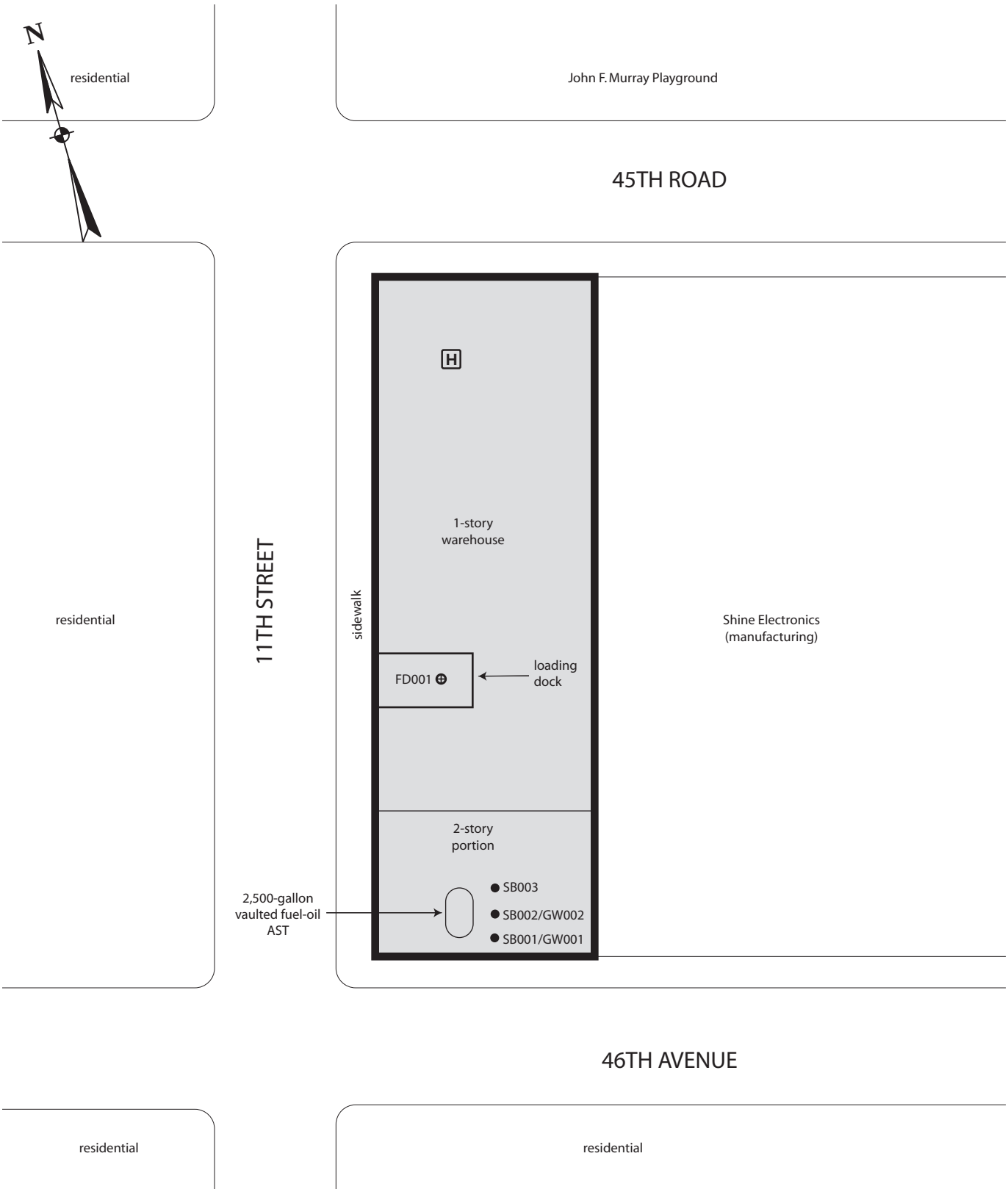


Site Location Map
45-35 11TH Street
Long Island City
Queens County, New York

N

ESI File: GQ14076.10

June 2014



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

Selected Site Features Map

45-35 11th Street
Long Island City, New York

Legend:

- subject property border
- H — hydraulic equipment
- floor drain and previous (PWG) boring location
- previous (PWG) boring/groundwater sampling locations

ESI File: GQ14076.10

June 2014

Scale: 1" = 40' approximately

3.0 INVESTIGATION

3.1 Site History

The history of the subject property was researched using interviews with knowledgeable individuals, and reviews of ownership records, historical maps, and local records. This review included both standard ASTM environmental record sources and additional sources (if such sources were judged to be reasonably ascertainable and sufficiently useful, accurate, and complete in light of the objective of the records review). Refer to Sections 3.1.3, 3.1.4 and 3.3.2.1 for Site Ownership and Site Use information.

ASTM Practice E 1527-13 requires that all obvious uses of the property must be identified from the present back to the property's first developed use (inclusive of agricultural activities), or back to 1940, whichever is earlier. This requires reviewing only as many historical sources as are necessary and both reasonably ascertainable and likely to be useful. As an example, if the property was not developed until 1960, it would still be necessary to attempt to confirm that it was undeveloped back to 1940.

Reasonably ascertainable historical records document that the subject property may have been developed as early as the 1920s and that the current structure was built circa 1948 [see Sections 3.1.1 through 3.1.7, below, for details regarding site history].

3.1.1 User-Reported Information

ASTM Practice E 1527-13, Section 6, requires that the User (the party seeking to complete the environmental site assessment of the property) provide specific information to the Environmental Professional in order to meet the requirements for "all appropriate inquiry."

Michael Orlandi, representing GDC Properties (the User), has responded to a questionnaire provided by ESI, which requested information regarding the subject property as specified in Section 6. Mr. Orlandi indicated that he was aware of previous environmental reports prepared for the subject property in March 2013 and March 2014 and provided a copy of them for review (see section 3.1.7, Previous Environmental Reports). Mr. Orlandi had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding: 1) information material to recognized environmental conditions or other environmental liabilities in connection with the property; 2) the results of a review of title and/or judicial records for environmental liens/AULs; or, 3) reason(s) for a purchase price that does not reasonably reflect fair market value because of known or suspected contamination.

Mr. Orlandi did not state the reason why GDC Properties wanted to have the Phase I Environmental Site Assessment performed, and ESI therefore assumes that the reason is to qualify for one or more Landowner Liability Protections (LLPs) to CERCLA liability.

3.1.2 Interview with Key Site Manager and Occupants

Paul Yuras (real estate agent) was identified as a Key Site Manager for the subject property. Mr. Yuras was interviewed by ESI personnel regarding the topics detailed in the User Questionnaire (see Section 3.1.1, above), and was additionally asked to provide specific information regarding property features, site history and use, and commonly known information related to the property. Mr. Yuras provided ESI personnel with information regarding on-site utilities as well as the recent history of the property. Mr. Yuras had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding potential environmental conditions and/or liabilities in connection with the property. No other commonly known or reasonably ascertainable

information has been obtained which documents the nature of any previously known or unknown environmental conditions and/or liabilities in connection with the property.

Michael Sheldon (commercial tenant, Wayland Industries) was identified as an occupant of the subject property and was additionally interviewed by ESI personnel regarding property features and site history and use. Mr. Sheldon indicated that Wayland Industries uses the property as a wire spool warehouse and distribution depot**.** Pertinent information from this interview is provided in relevant report sections, where appropriate.

3.1.3 Ownership Records

Property ownership information, based on a review of a title search provided by Michael Orlandi and New York City computerized City Register records, is presented in Table 2, below.

Table 2: Ownership Information

Parcel ID	Owner	Date of Conveyance
Block 54, Lot 20	Paul Horwitz	8/29/2013
	Karen Horwitz	4/8/1981
	11th Street Realty, Corporation/ Saul and Pauline Goldsmith	Unknown

3.1.4 Sanborn Fire Insurance Maps

A summary of the information obtained from the review of historical Sanborn Fire Insurance Company Maps dated 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988 to 1996, 1999, and 2001 to 2006 is provided below. Copies of relevant Sanborn maps (with the subject property indicated) are provided in Appendix C.

1898: Municipal water is available to the property. No petroleum or chemical bulk storage tanks are noted on the subject property, adjoining properties, or in the surrounding area. The subject property and adjoining properties consist of vacant lots. The surrounding area is moderately developed with residential structures.

1915: There are no significant changes on the subject property. The adjoining properties to the west are now developed with several two-story residential structures (likely to be existing buildings observed during the site inspection). The surrounding area is increasingly well developed with residential structures, with some commercial and manufacturing uses.

1936: There are no significant changes on the subject property. The adjoining property to the southeast contains a four-story residential structure (likely to be the existing building observed during the site inspection). The adjoining properties to the west and the adjoining property to the northwest now contain several automobile garages. The adjoining property to the southwest now contains a building with manufacturing uses and office space. The surrounding area is well developed with residential, commercial, and manufacturing sites.

1947: There are no significant changes on the subject property. The adjoining property to the northwest is now used for “chemical research”. There are no other significant changes noted on adjoining properties, or the surrounding area.

1950: There are no significant changes on the subject property or adjoining properties. The surrounding area is increasingly well developed with manufacturing uses.

1970: The subject property now contains one, one and two-story structure, likely commercial. This structure matches the current structure in shape and location. The adjoining property to the north is designated as the "John F. Murray Playground." The adjoining property to the east contains a single story structure with clothing manufacturing, paper coating, and storage uses (likely to be the existing building observed during the site inspection). The adjoining property south now contains a single story structure, likely for manufacturing or commercial use. The surrounding area is now very well developed with residential, commercial, and manufacturing use.

1977-1979: There are no significant changes on the subject property. The adjoining property to the south is noted with manufacturing use. There are no other significant changes on adjoining properties or the surrounding area.

1980: There are no significant changes on the subject property. The adjoining property to the north is now noted as "John F. Murray Playground". There are no other significant changes on adjoining properties, or the surrounding area.

1985-2006: There are no significant changes on the subject property, adjoining properties, or the surrounding area.

3.1.5 City Directory Abstracts

A review of city directory abstracts for 1934, 1939, 1945, 1950, 1962, 1967, 1970, 1976, 1983, 1991, 1996, 2000, 2005, 2008, and 2013 indicate the subject property as the location of the following organizations:

- Wayland Industries, Inc. in 2000, 2005, 2008, and 2013;
- Assembly Process Co. Inc. in 2008.

The city directory abstracts indicate the adjoining properties to the south and east as past and present manufacturing and industrial sites. The adjoining properties to the southeast and west are noted as past and present residential sites.

No other information pertinent to the environmental integrity of the subject property was present in these records. A copy of the City Directory Abstracts is provided in Appendix D.

3.1.6 Municipal and Regulatory Agency Records

City Register Records

New York City Register computerized ownership records for the subject property were reviewed on May 28, 2014. No information pertinent to the environmental integrity of the subject property was contained in these records. A summary of the readily available property ownership information is provided in Table 2.

Assessor's Office Records

New York City Assessor's Office computerized data for the subject property were accessed on May 28, 2014 using the Center for Urban Research's Open Accessible Space Information System (OASIS). According to these records, the subject property contains a single story industrial structure built in 1948.

No other information pertinent to the environmental integrity of the subject property was present in these records.

Building Department Records

Block and Lot Records

New York City computerized Building Department Block and Lot records for the subject property were reviewed on May 28, 2014. Permits for a new building were issued in 1923 and 1954, alteration permits were issued in 1921, 1927 and 1966. A certificate of occupancy was issued for on-site warehouse and office use in 1956. A certificate of occupancy was issued for on-site warehouse, manufacturing, and office use in 1966. No other pertinent records were noted.

The subject property has an "E" restriction for Hazardous Materials and Air.

Environmental Control Board (ECB) Violations

A review of computerized Building Department records indicates there are no open ECB violations relating to the environmental integrity of the subject property.

Local Agency Interviews

Health Department

A request was made on May 28, 2014 to search available New York City Department of Health and Mental Hygiene records for information regarding the subject property. No response from this agency has been received by this office as of the date of this Phase I ESA.

3.1.7 Previous Environmental Reports

ESI was provided with copies of a Limited Phase II Environmental Site Assessment prepared for property by P.W. Grosser Consulting, Inc. in March 2013 (PWG Phase II) and a Phase I Environmental Site Assessment prepared for the property by Middleton Environmental, Inc. in March 2014 (MEI Phase I).

The PWG Phase II documented subsurface soils beneath the basement floor consisting of variable texture sand with silt and gravel, overlying a boggy organic layer at 2' below the basement floor. Groundwater was noted at 2 feet below the basement floor. No signs of gross soil contamination were noted.

Three soil borings were extended in the vicinity of a vaulted aboveground storage tank (AST) located in the basement of the on-site structure and the collection of soil from the base of an abandoned floor drain located in the loading dock. Soils in the vicinity of the AST were tested for volatile and semi-volatile organic compounds (VOCs/SVOCs), NYSDEC CP-51 petroleum list. Floor drain soils were tested for the full VOC/SVOC list and RCRA metals. Soil borings were extended approximately 5 feet below the basement slab, with samples collected from 0 to 2 feet. Two of the soil borings in the vicinity of the AST were completed as temporary monitoring wells. Groundwater samples were collected and analyzed for VOCs and SVOCs, NYSDEC CP-51 petroleum list.

Laboratory testing of soil and groundwater samples indicated the presence of subsurface contamination in the vicinity of the AST. Trace concentrations of one VOC, naphthalene, were detected in all three soil samples. Elevated concentrations of SVOCs were detected at soil samples SB001 and SB002, with peak concentrations at SB002. Slightly elevated concentrations of naphthalene were detected in groundwater sample SB001 and trace SVOCs were detected in both groundwater samples SB001 and SB002.

The sample collected from the floor drain sample contained elevated concentrations of one VOC, acetone, and elevated concentrations of metals (chromium, lead, mercury, and silver). Cadmium was also detected, but at a level below NYSDEC "unrestricted use" soil cleanup objectives.

The MEI Phase I noted the following in the basement of the building: a "petro-meter" associated with a 2,500-gallon fuel-oil AST located behind a concrete wall, and a sump drain reportedly discharging to the municipal wastewater system. The report indicated that the AST was abandoned in-place several years ago. Potential asbestos-containing pipe wrap (approximately 50 feet) was noted in the warehouse portion of the structure.

Relevant information from these documents is cited in this Phase I ESA as appropriate.

Copies of these reports are provided in Appendix E.

3.2 Review of Federal and State Agency Records

Federal and state computer databases and printed records were reviewed for documentation of environmental conditions and/or liabilities relevant to the property.

3.2.1 Methodology

The following ASTM Standard Environmental Record Sources (as available for the subject property's locality) were reviewed (search distances are consistent with, or exceed, ASTM requirements).

Federal National Priority List (1.0 mile) and delisted National Priority List sites (0.5 mile)
Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
Federal RCRA CORRACTS facilities list (1.0 mile)
Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
Federal RCRA generators list (subject/adjoining properties)
Federal ERNS list (subject property)
Federal, State, and Tribal Institutional Control / Engineering Control registries (subject property)
State- and Tribal-equivalent NPL (1.0 mile)
State- and Tribal-equivalent CERCLIS (0.5 mile)
State and Tribal Brownfield and voluntary cleanup sites (0.5 mile)
State and Tribal leaking storage tank lists (0.5 mile)
State (including locally administered) and Tribal registered storage tank lists (subject/adjoining)
State and Tribal landfill and/or solid waste disposal site lists (0.5 mile)

The following Additional Environmental Record Sources (as available for the subject property's locality) were reviewed in order to enhance and supplement the review of standard sources:

State spill file records (0.125 mile)
State MOSF list (0.5 mile)
State radon data (by local municipality as available)
Federal and State wastewater discharge permits (subject/adjoining properties)

A copy of relevant portions of a database search conducted by Environmental Data Resources, Inc. (EDR) for ESI is provided in Appendix F. Not all of the sites contained in the attached database search may be referenced below; some sites may have been excluded based on either ASTM requirements, ESI's scope of services or professional opinion, and/or information obtained during the review of historical records and the site inspection. Some information may have been deemed to not be practically reviewable (e.g., records lack adequate address information). Sites or additional information not included in the database search may also be referenced based on ESI's knowledge of the subject property area.

Where sites have been identified within the specified approximate minimum search distances, ESI's opinion is presented as to any possible impacts that might result in RECs in connection with the subject property, arising from the migration of contaminated soil, soil vapor and/or groundwater. Evaluation of potential impacts to the subject property is based on: distance and direction to the identified site; type of regulated materials and other relevant information found in available records; presence of intervening roadways and/or other physical conduits; local physical setting (topography, soil conditions, geology, hydrology, etc.); and other information known to ESI. Potential vapor encroachment conditions, if any, have been evaluated (as warranted) following the methodology provided in ASTM Standard E2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

3.2.2 Findings of Regulatory Records Review

Federal Hazardous Waste-Contaminated Sites

The subject property is not identified on the United States Environmental Protection Agency's (USEPA): National Priority List (NPL) of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions; CERCLIS list of sites that are proposed to the NPL or that are in the screening and assessment phase for possible proposal to the NPL; or CERCLIS No Further Remedial Action Planned (NFRAP) list, which are former CERCLIS sites that were delisted because no significant hazardous waste contamination was found, or because the site has been remediated.

The subject property is not identified on readily available USEPA Institutional Control/Engineering Control registries.

The "Matheson Lead Co." site (USEPA ID: NYS980531610) is a NFRAP site located 0.14 mile west of the subject property. This is an archive site, which is located down-gradient of the subject property. Based on ESI's review of reported information, this site is not likely to significantly impact the subject property.

No NPL sites are located within one mile of the property and no CERCLIS sites or other delisted NPL sites are located within a half mile of the property.

State Sites

Inactive Hazardous Waste Disposal Sites

The subject property is not identified on the NYSDEC's Registry of Inactive Hazardous Waste Disposal (IHWD) sites (a state equivalent to the federal NPL), and has not been listed as a site under investigation for inclusion in the IHWDS Registry (a state equivalent to the federal CERCLIS List).

There are eight sites listed within a mile of the subject property. Four sites are active or potential IHWD sites. No action is required at the remaining four sites. The four active sites are likely located down- or cross-gradient and are over 0.75 mile from the subject property.

Based on ESI's review of reported information these sites are not likely to significantly impact the subject property.

Voluntary Cleanup, Brownfields Cleanup, and Environmental Restoration Programs

The subject property is not identified as participating in the NYSDEC's Voluntary Cleanup (VCP), Brownfields Cleanup (BCP), or Environmental Restoration (ERP) programs, which are designed to provide NYSDEC oversight of significantly contaminated properties.

Seven BCP and/or VCP sites were identified within 0.5 mile of the subject property.

The "Off-Site Paragon Paint and Varnish Corp." BCP site (Site IDs: 383000, 420294), located 0.16 mile west and down-gradient of the subject property, presents a significant threat to public health and the environment. Based on distance and/or likely groundwater flow, this site, as well as the other identified sites, are not likely to impact the subject property.

Registry of Institutional and Engineering Controls in New York State

The subject property is not identified on the NYSDEC's Registry of Institutional and Engineering Controls in New York State.

Federal Hazardous Waste Handlers

The USEPA Resource Conservation and Recovery Information System (RCRIS) database details facilities that report treatment, storage or disposal of hazardous waste (TSD facilities) or generation or transportation of hazardous waste. Facilities that have been notified by the USEPA to take corrective action with regard to their handling of hazardous waste are classified as CORRACTS facilities.

CORRACTS and/or TSD Facilities

The subject property is not registered with the USEPA as a CORRACTS and/or TSD facility for hazardous waste or materials.

Two CORRACTS facilities are located within one mile of the property.

The "Kosan Industrial Corporation" facility (USEPA ID: NYD061949228) is located 0.16 mile west of the subject property. This paint manufacturing facility has been assigned a low corrective action priority and is located down-gradient of the subject property.

The other CORRACTS facility was identified over 0.75 mile from the subject property, and is located cross-gradient of the subject property.

Based on ESI's review of reported information, these facilities are not likely to significantly impact the subject property.

No other CORRACTS sites are located within one mile of the property and no other TSD sites are located within a half mile of the property.

Generators or Transporters (Non-CORRACTS)

The subject property is not registered with the USEPA as a generator or transporter of hazardous waste.

Two adjoining properties are registered as generators or transporters of hazardous waste.

The "Shine Electronic Co. Inc." site (USEPA ID: NYR000149799), which adjoins the property to the east, is listed as a historical generator of managed waste material that includes lead, selenium, methyl ethyl ketone, non-halogenated solvents, still bottoms, and spent solvent mixtures.

The "Big City Graph-X" site, which adjoins the subject property to the south, is listed as a handler of hazardous waste.

Based on ESI's review of reported information these sites are not likely to significantly impact the subject property.

Landfills and Solid Waste Disposal Facilities

The NYSDEC's Facility Register does not list the subject property as an active or inactive landfill or solid waste disposal facility.

Two construction and demolition processing facilities have been identified within 0.5 mile of the subject property. The "C&H Sand and Stone Corporation/ United Waste Removal" site (Site IDs: 41W87, 41T67) is located 0.17-mile southeast of the subject property. The facility is also registered as a transfer station. The "Berlin Wrecking Ltd." site (Site ID: 41W73) is located 0.37 mile south of the subject property.

Based on ESI's review of reported information these sites are not likely to significantly impact the subject property.

Chemical Bulk Storage (CBS)

A review of NYSDEC records indicates that the subject property and adjoining properties are not registered as CBS facilities. Observations made during the site inspection did not indicate the presence of chemical bulk storage on the subject property or at adjoining properties.

Petroleum Bulk Storage

Subject Property

A review of the NYSDEC PBS database indicates that the subject property is not registered as a PBS facility. Observations made during the site inspection indicated the presence of a 2,500-gallon vaulted AST located in the basement of the subject property. According to a previous environmental report (see Section 3.1.7, Previous Environmental Reports) this tank was abandoned in-place several years ago (no tank closure documentation has been reviewed by ESI).

State PBS Regulations

NYSDEC Petroleum Bulk Storage regulations (6 NYCRR Parts 612-614) apply to facilities with a combined storage capacity greater than 1,100 gallons, properties with underground storage tanks (USTs) greater than 110 gallons and/or properties with waste-oil USTs and/or ASTs regardless of capacity (storage capacity excludes tanks of 1,100 gallons or less used to store oil or kerosene for on-site heating, and includes out-of-service regulated tanks that have not been permanently closed). Based on the likely capacity of the on-site tank, and uncertain status regarding permanent closure, the property is subject to these PBS regulations.

Federal PBS Regulations

Federal regulation 40 CFR Part 112 applies to facilities storing greater than 1,320 gallons of petroleum product aboveground (inclusive of all containers with a capacity of 55-gallons or more), where there is a reasonable potential for a discharge to reach navigable waters. Given that the tank has been abandoned and is unlikely to be used in the future, the property is unlikely to be subject to these regulations.

Adjoining Properties

A review of the NYSDEC PBS database indicates that two adjoining properties are identified as PBS facilities.

The property at 11-14 46th Avenue, which adjoins the subject property to the southeast, is a PBS facility (PBS Number: 2-197246) containing a 3,000-gallon, #2 fuel-oil AST, which was installed in 1985.

The property at 46-09 11th Street, which adjoins the subject property to the south, is an unregulated PBS facility (PBS Number: 2-610180) which contained a 2,000-gallon #2 fuel-oil AST in a concrete vault. This tank was installed 1957 and removed in 2006.

No open NYSDEC spill events are reported for these adjoining properties

Fill ports and vent pipes were observed at adjoining residential properties to the south. These fill ports and vent pipes likely service ASTs located in the basements of these structures. These adjoining sites are not likely to impact the environmental integrity of the subject property.

Major Oil Storage Facilities

The subject property is not listed with the NYSDEC as a major oil storage facility (MOSF).

One MOSF has been identified within 0.5 mile of the property. The "Ditmas Oil—Long Island City" site (MOSF ID: 2-2020) is located 0.45 mile south of the property at 53-02 11th Street. Records indicate that all reported tanks on this property are currently empty.

Based on ESI's review of reported information this site is not likely to significantly impact the subject property.

Federal Chemical and Petroleum Spills

The USEPA Emergency Response Notification System (ERNS) database details initial reports of releases of oil and hazardous substances as reported to federal authorities. There are currently no chemical or petroleum spills on record for the subject property.

State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events

NYSDEC database records were reviewed to determine possible impacts from leaking tanks and other reported releases within a quarter mile of the subject property. No spill events are known to have occurred at the subject property. The following spill events are reported for adjoining properties:

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)	Spill Details
0201928 – closed	11-15 46th Ave. (adjoining property to the east)*	fuel oil, quantity unknown	May 23, 2002 (January 31, 2006)	sidewalk and basement spill from fuel line leak
0510695 – closed	46-09 11th Street (adjoining property to the south)	#2 fuel oil, 15 gallons	December 13, 2005 (December 16, 2008)	leaking tank, floor washed, tank replaced, no testing

Spill number 0201928 was reported for the property to the adjoining property to the east; however, the database indicates that the release was in a basement (the adjoining property has no such structure) and it appears likely that this spill is associated with a residential structure to the southeast. It is unlikely that these or any other reported spill events have impacted the subject property.

Air Discharges

No NYSDEC permits for air discharges from the subject property are known to exist. No operations likely to require a NYSDEC air discharge permit were noted on the subject property.

Wastewater Discharges

No USEPA National or NYSDEC State Pollutant Discharge Elimination System (NPDES or SPDES) permit was identified for the subject property. No operations likely to require a NPDES or SPDES permit were noted on the subject property. According to observations made during the site inspection, the subject property is connected to the municipal wastewater system. No adjoining properties are registered as NPDES or SPDES facilities.

Radon

Information on radon levels was obtained from New York State Department of Health (NYSDOH) documents. No regulatory standards for radon levels currently exist in New York State. The USEPA has established a guidance value (the level where mitigation measures may be appropriate) for radon concentrations of 4.0 or greater picoCuries/liter (pCi/l). Other regulatory authorities (e.g., OSHA) have established guidance levels that are directly related to specific site activities (a determination as to applicable radon guidance levels is beyond the scope of this Phase I Environmental Site Assessment). A summary of available radon information for the subject property's vicinity is provided below in Table 3.

Table 3: Basement Radon Levels in Vicinity of Subject Property
All radon levels provided in picoCuries/liter (pCi/l)

NYSDOH Radon Information	Borough of Queens	New York City
Number of Homes Tested	513	1,364
Average Radon Level	0.77	0.9
Percent of Homes >4.0 pCi/l	3.5	6.4

These average radon levels are below the USEPA's guidance value of 4.0 pCi/l and less than 10% of the homes tested in the subject property's vicinity had levels in excess of this guidance value. These data support the conclusion that elevated radon levels are not likely to be present on the subject property.

3.3 Site Inspection

3.3.1 Protocol

The site inspection was conducted on June 3, 2014 in order to address any potential concerns raised during the investigation of the site's history (Section 3.1) and the regulatory agency records review (Section 3.2), and to identify any additional indications of contamination from the use, storage, or disposal of hazardous or regulated materials. To the extent possible, site structures, vegetation, topography, surface waters, and other relevant site features were examined for any obvious evidence of existing or previous contamination or unusual patterns (e.g., vegetative stress, soil staining, surface water sheen, or the physical presence of contaminants), which would indicate that the environmental integrity had been or could be impacted.

Section 3.3.2 describes the physical characteristics of the subject property. Section 3.3.3 is divided into topics on specific environmental conditions or concerns, actual or potential, noted on the subject property during the site inspection. Section 3.3.4 describes the physical characteristics of adjoining properties as they concern the potential or actual environmental condition of the subject property.

A Selected Site Features Map illustrating the general layout of the subject property and the locations of specific areas of concern (if any) is provided on Page 8. Photographs of the subject property are provided in Appendix A.

3.3.2 Physical Characteristics of the Subject Property

Note: Access to the boiler room was limited by the presence of water in the basement (the boiler room was visually inspected from the entranceway).

3.3.2.1 Property

The subject property is an rectangular-shaped, approximately 0.3-acre parcel, which has 200 feet of frontage on the eastern side of 11th Street, 60 feet of frontage on the southern side of 45th Road, and 60 feet of frontage on the northern side of 46th Avenue. One, one and two-story masonry building with a warehouse occupies the property. The on-site structure occupies the entirety of the property.

3.3.2.2 Structures

The on-site structure is a one- and two-story masonry building with a partial basement (beneath the two-story portion) and a flat roof. Exterior siding is brick and the roof is covered by asphaltic materials (note: the roof was not accessible during the site inspection). New York City Assessor's Office records indicate the building was constructed in 1948. The building contains one large warehouse space, offices and maintenance rooms. Interior floors are covered with 9" by 9" and 12" by 12" vinyl floor tiles, carpeting, and unfinished concrete. Walls and ceilings are generally covered with wallboard.

Potable Water Supply

According to available information, the subject property is serviced by the municipal water system. No water supply wells were noted on the subject property during the site inspection and no on-site uses of groundwater are known to exist for the subject property.

Sewage Disposal System

According to available information, the on-site structure is connected to the municipal sewer system.

Heating/Cooling

The on-site structure is heated with hot air generated by natural-gas heating units located in the warehouse and offices. Cooling is provided by roof-mounted air conditioning units. An electric water heater is located near the boiler located in the basement.

3.3.3 Specific On-Site Environmental Conditions

Debris Areas

No significant quantities of debris were noted on the subject property.

Petroleum Storage

An inactive 2,500-gallon fuel-oil AST is located in a vault in the basement of the on-site structure. The fill port and vent pipe for the AST are located on the eastern exterior wall of the building and an access way is located on the ground floor within the building. The tank has reportedly been abandoned in place. No staining was noted on or near the fill port and vent pipe. Several small containers of petroleum products (lubricants, etc.) are located in the warehouse, and associated storage spaces. No staining or other evidence of a release from these containers was observed. No other small quantities of petroleum products, aboveground storage tanks or indications of underground petroleum storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Chemical Storage

Several small containers of common cleaning and maintenance products were observed in a storage room. No staining or other evidence of a release from these containers was observed during the site inspection. No other small quantities of chemical products, aboveground chemical storage tanks or indications of underground chemical storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Asbestos-Containing Materials

Asbestos-containing materials (ACM) are those materials containing over 1% of any type of asbestos. The presence or absence of asbestos within a material can only be determined through the physical analysis of material samples.

Asbestos has been incorporated into a wide variety of building products based on its thermal and resilient qualities, including insulation, flooring, siding, roofing, plaster/joint compounds, caulking, ceiling tiles, textured paints and pipewrap. Although ACM are no longer used as extensively as they were prior to the 1970s (when the federal government began regulating and/or prohibiting the use of ACM in specific applications), asbestos may still be found in common building products used today, such as cement products, roofing and vinyl floor tile.

According to Paul Yuras, no asbestos survey of the subject property has been conducted. Suspect ACM noted during the site inspection included 9" by 9" and 12" by 12" vinyl floor tiles, asphalt roofing materials, window caulking, and dropped acoustic ceiling tiles. All materials appeared to be in fair condition. Other building construction materials not readily observable during the site inspection (e.g., mastics, pipe insulation present within walls, etc.)

Lead-Based Paint

The presence or absence of lead-based paint (paint containing 0.5% lead by weight) can only be determined through the material analysis of paint samples. However, given that the manufacture of lead-based paint (LBP) has been regulated since 1978, a building's date of construction is often used to help assess the likelihood that LBP was used during initial construction and/or subsequent maintenance work. The presence of deteriorated paint is indicative of a potential health risk in that paint dust and chips containing lead could be inhaled and/or ingested.

According to Paul Yuras, a lead-based paint survey of the subject property's structures has not been conducted. The date of construction of the on-site building indicates that LBP is likely to have been used; however, in the absence of a LBP survey, no definitive statement can be made by this office regarding the presence or absence of LBP on the subject property.

All of the painted surfaces in the areas inspected by this office were in fair condition at the time of the site visit.

Wastewater Discharges

The term "wastewater" indicates water that: (1) is or has been used in an industrial or manufacturing process; (2) or is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant; (3) or conveys or has conveyed sewage (water originating on or passing through or adjacent to a site, such as stormwater flows, is not generally considered to be wastewater). No evidence of wastewater discharges into drains, ditches, or streams on or adjacent to the property was observed on the subject property.

Interior Floor Drains/Sumps/Conduits

A stormwater drain is located in the loading bay. No staining, odors, or other evidence of contamination was noted in or near the drain. According to the PWG Phase II, the stormwater drain is inactive. (Note: the basement of the on-site structure was flooded and could not be fully inspected for the presence or absence of floor drains). According to the MEI Phase I, the basement contains a sump which leads to the municipal sewer system.

Stormwater Management and Exterior Drains/Sumps/Conduits

No exterior stormwater catch basins, drains, sumps, or other potential significant conduits to the subsurface, or indications of liquid discharges into drains, ditches, or streams on or adjacent to the property, were observed on the subject property.

Staining/Corrosion/Leaks

No evidence of corrosion, leaks, or staining (indicative of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products onto the subject property, including the on-site structure and paved areas) was observed during the site inspection.

Topographic Irregularities

No overt topographic irregularities (e.g., sinkholes or berms) indicative of the presence of non-natural materials (including debris) in the subsurface were observed on the subject property.

Vegetative Features

No overt areas of stressed or dying vegetation indicative of the presence of contaminants in surface or subsurface soils were observed on the subject property.

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons exhibiting evidence (e.g., discolored water, distressed vegetation, obvious wastewater discharge) of holding liquids or sludge containing hazardous substances or petroleum products were observed on the subject property.

Surface Waters

No surface water bodies are located on the subject property.

Odors

No unusual odors indicative of the presence of contamination were noted.

Polychlorinated Biphenyls

An inspection for the presence of equipment likely to contain polychlorinated biphenyls (PCBs) was conducted by this office. PCBs were widely used in equipment such as transformers, capacitors, and hydraulic equipment until 1979 when the USEPA regulated their use in this capacity. A large piece of hydraulic equipment, which may contain PCBs, was noted in the warehouse.

3.3.4 Environmental Concerns at Adjoining and Nearby Properties

Adjoining and nearby properties were observed from the subject property and from public thoroughfares for the purpose of identifying any recognized environmental conditions or other potential environmental concerns. No significant environmental conditions were noted on adjoining or nearby properties.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 45-35 11th Street, Queens, New York City, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

This assessment has revealed evidence of the following recognized environmental conditions (RECs) in connection with the property:

- Potential for petroleum releases at an abandoned fuel-oil aboveground storage tank (AST)
- Documented soil contamination in the vicinity of the AST and a closed floor drain

ESI's conclusions and recommendations (in **bold**) regarding these RECs and any other potential environmental liabilities associated with the property are presented below. Cost estimates for any proposed investigations and/or remedial actions are provided in *italics* where appropriate.

1. The subject property is an approximately 0.3-acre commercial parcel located in an urban setting. Historical records indicate that the property may have been developed as early as the 1920s, and that the current on-site building, constructed circa 1948, has been used as warehouse, manufacturing facility, and for office space. Debris from former structures could potentially be present in the subsurface.

   The subject property is designated as an "E" restricted site, due to the potential for soil, soil gas, and groundwater contamination. Elevated concentrations of metals documented in soil at an inactive floor drain may be indicative of contamination resulting from releases of industrial wastewater. Elevated concentrations of SVOCs in soil, identified near an on-site vaulted AST (see Paragraph 2, below) may indicate low-grade petroleum contamination, impacts from industrial activities, or the presence of poor quality fill materials. Groundwater collected near the AST exhibits low-level impacts from naphthalene. Although current commercial use of the property is not likely to represent a significant environmental threat, these findings suggest that previous manufacturing activities may have impacted the property.

   No further investigation of historical records is recommended. Documented contamination near the AST and floor drain should be further delineated during future environmental investigations conducted to satisfy requirements associated with the E designation. Any future development activities at the property should be conducted with an awareness of the potential presence of subsurface debris and provision should be made for the proper management of any materials that warrant special handling.

2. The subject property was not identified during the review of regulatory agency records conducted by this office; an abandoned-in-place 2,500-gallon fuel-oil AST located in the basement, however, requires proper registration and closure documentation. Improper closure of the AST represents an ongoing risk of a petroleum release. No adjoining or nearby properties were identified that are likely to impact the environmental integrity of the subject property.

   No further investigation of regulatory records is recommended. The AST should be registered with NYSDEC, and the tank should be properly closed, or documentation of previous closure activities should be submitted with an updated PBS registration form.

An environmental condition is considered “de minimis” when that condition generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions. This assessment has revealed evidence of the following de minimis conditions in connection with the property:

3. Small quantities of petroleum products and chemicals are stored on the subject property. Releases from these containers could potentially impact the property.

   It is recommended that all petroleum and chemical products be properly stored and that appropriate absorbent materials be maintained in all areas where releases could potentially occur.

4. Asbestos-containing materials and lead-based paint could potentially be present on the subject property. Suspect asphalt roofing, vinyl floor tiles, window caulking, and dropped acoustic ceiling tiles were noted during the site inspection. Other building construction materials not readily observable during the site inspection (e.g., mastics) could also potentially contain asbestos.

   No further investigation is recommended. Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

5. Hydraulic equipment present on the subject property is a potential source PCBs.

   Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for PCBs, or, in the absence of analytical data, be treated as though it contained PCBs. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

5.0 SOURCES OF INFORMATION

5.1 Maps and Documents

Environmental Data Resources, Inc. (EDR), City Directory Abstracts, dated: 1934, 1939, 1945, 1950, 1962, 1967, 1970, 1976, 1983, 1991, 1996, 2000, 2005, 2008, and 2013.

Environmental Data Resources, Inc. Report, May 21, 2014.

New York City Soil and Water Conservation District, New York City Reconnaissance Soil Survey, online at www.nycswcd.net/soil_survey.cfm.

New York State Department of Environmental Conservation, Freshwater Wetlands Map of the Brooklyn, New York Quadrangle, accessed online May 21, 2014 via Environmental Resource Mapper at www.dec.ny.gov.

Middleton Environmental, Inc., Phase I ESA, March 10, 2014.

P.W. Grosser Consulting, Inc., Limited Phase II Environmental Site Assessment, March 2013.

Sanborn Fire Insurance Company Maps dated: 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988 to 1996, 1999, and 2001 to 2006.

United States Department of the Interior National Wetlands Inventory Map of the Brooklyn, New York, Quadrangle, dated accessed online May 21, 2014 via www.fws.gov/wetlands/Data/Mapper.html.

United States Geological Survey Topographic Map of the Brooklyn, New York Quadrangle, dated 1995 digital image provided by MyTopo.com.

University of the State of New York, Geologic Map of New York, Fisher, *et al*., editors (dated 1970, reprinted 1995) and Surficial Geologic Map of New York, D. Cadwell, editor (dated 1989), Lower Hudson Sheets.

5.2 Local Agency Records

New York City Assessor's Office computerized records, reviewed May 28, 2014.

New York City Building Department computerized records, reviewed May 28, 2014.

New York City Register computerized records, reviewed May 28, 2014.

New York City Department of Health and Mental Hygiene Records, requested May 28, 2014.

5.3 Communications

Michael Orlandi, representing GDC Properties (the User), various dates, May to June 2014.

Mike Sheldon, representing Wayland Industries, (the tenant), June 3, 2014.

Paul J. Yuras, representing DY Realty Services, LLC. (the real estate agent), June 3, 2014.

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

The following statements are required by 40 CFR 312.21(d) of the environmental professional(s) responsible for conducting and preparing the Phase I Environmental Site Assessment report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul H. Ciminello
President, Ecosystems Strategies, Inc.

Scott Spitzer
Director of Environmental Investigations, Ecosystems Strategies, Inc.

APPENDIX A

Site Photographs

PHOTOGRAPHS

1. View of subject property (looking northwest from 46th Avenue).

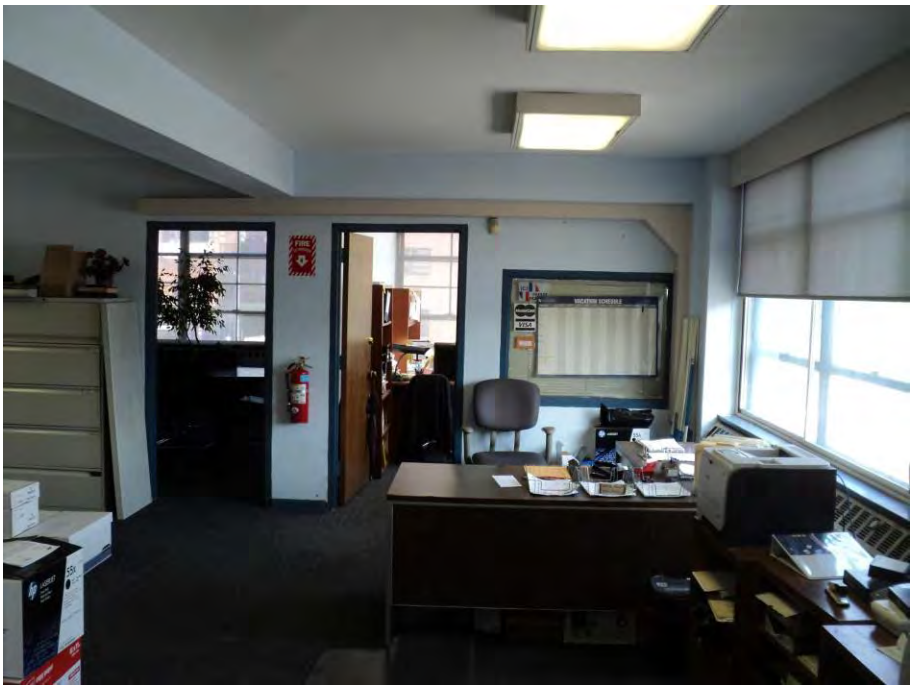
2. View of interior workspace/warehouse.

PHOTOGRAPHS

3. **View of exterior fill port and vent pipe (located on the southern side of the on-site structure).**

4. **View of the top of the 2,500-gallon vaulted fuel-oil UST, and 9” by 9” vinyl floor tiles located at the southern portion of the first floor.**

PHOTOGRAPHS



5. View of second-floor office space.

6. View of flooded basement.

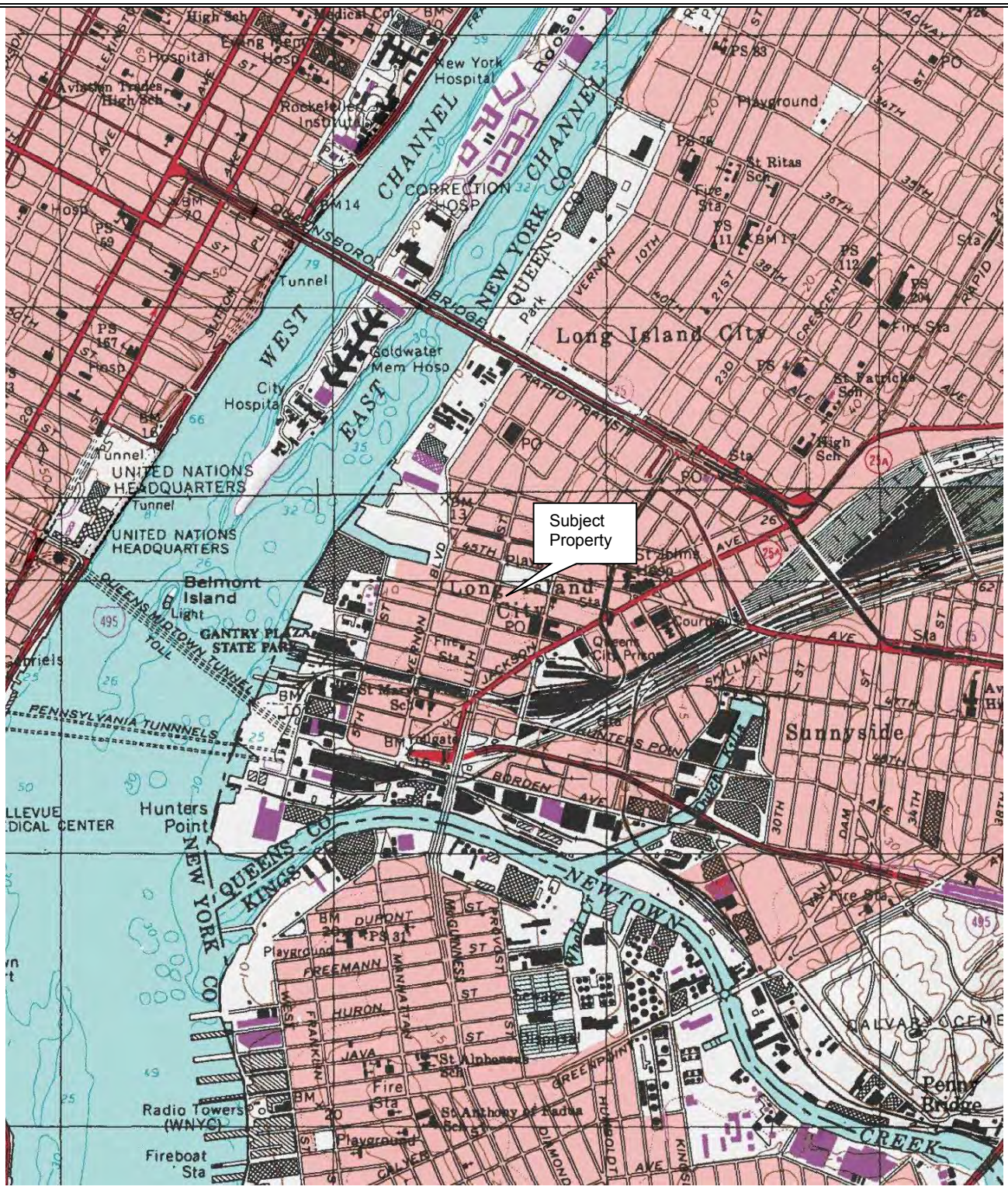
PHOTOGRAPHS

7.

8. **View of asphalt roofing material in poor condition.**

APPENDIX B

Physical-Setting Maps



Source: USGS Topographic Map of the Brooklyn, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

U.S.G.S. Topographic Map

45-35 11TH Street
Long Island City
Queens County, New York

N

ESI File: GQ14076.10

June 2014

Scale: 1:24000

[print page] [close window]

Please set your printer orientation to "Landscape".

GQ14076.10

MinX: 587109, MaxX: 590176, MinY: 4511865, MaxY: 4510546

Visible Layers

- Classified Streams
- Classified Ponds
- State-Regulated Freshwater Wetlands
- Wetland Checkzone
- State-Regulated Freshwater Wetlands
- Rare Plants and Rare Animals
- Interstate Highways
- Adirondack Park Boundary
- Counties

U.S. Fish and Wildlife Service

National Wetlands Inventory

GQ14076.10

May 21, 2014

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

APPENDIX C

Sanborn Fire Insurance Maps

1898 Certified Sanborn Map

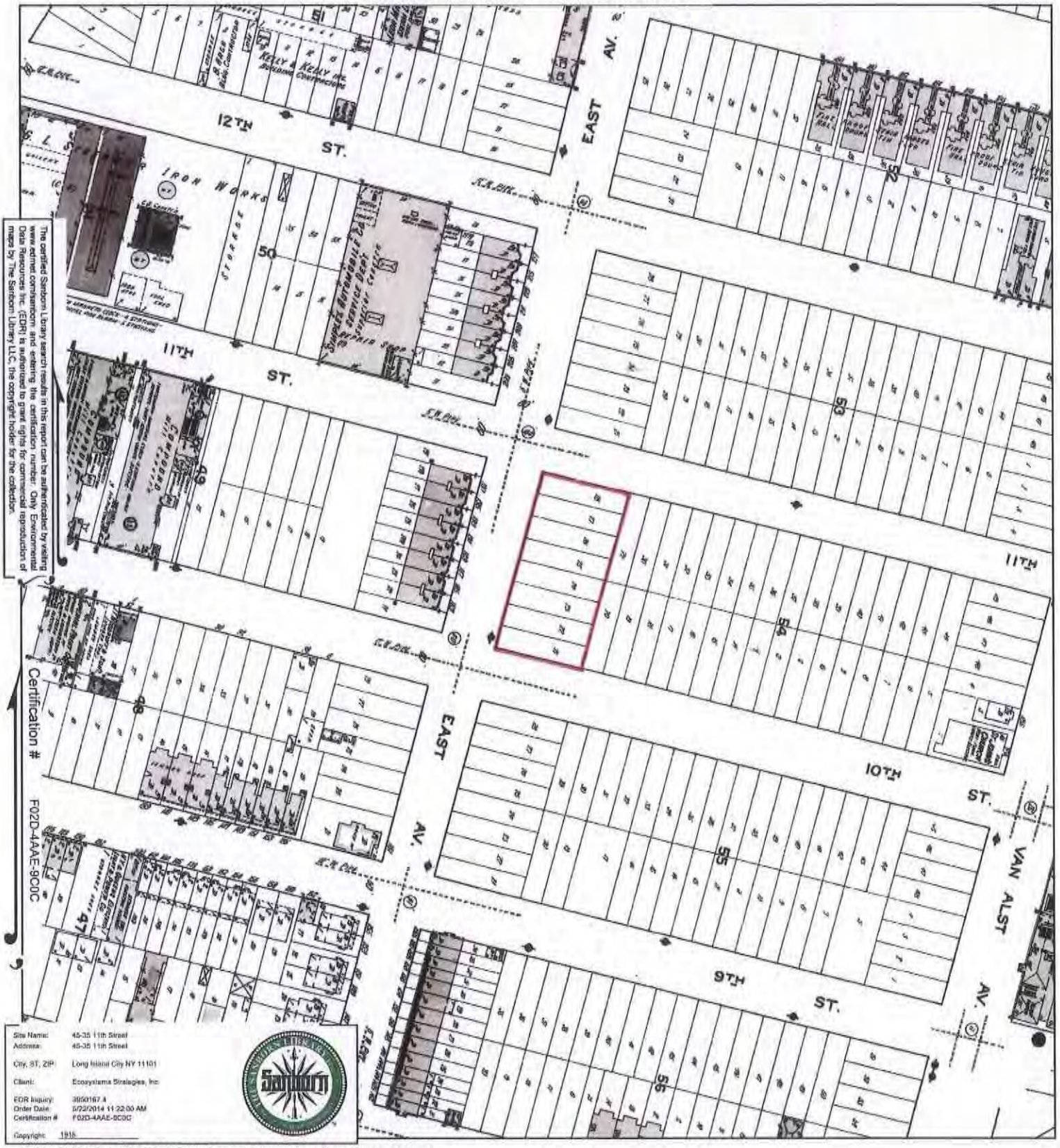
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1915 Certified Sanborn Map



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Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #	F02D-4AAE-9C0C
Copyright:	1915

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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1936 Certified Sanborn Map

Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1936

This Certified Sanborn Map combines the following sheets.
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Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

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1947 Certified Sanborn Map

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Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1947

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Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1950 Certified Sanborn Map

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Site Name:	45-36 11th Street
Address:	45-36 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	9/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

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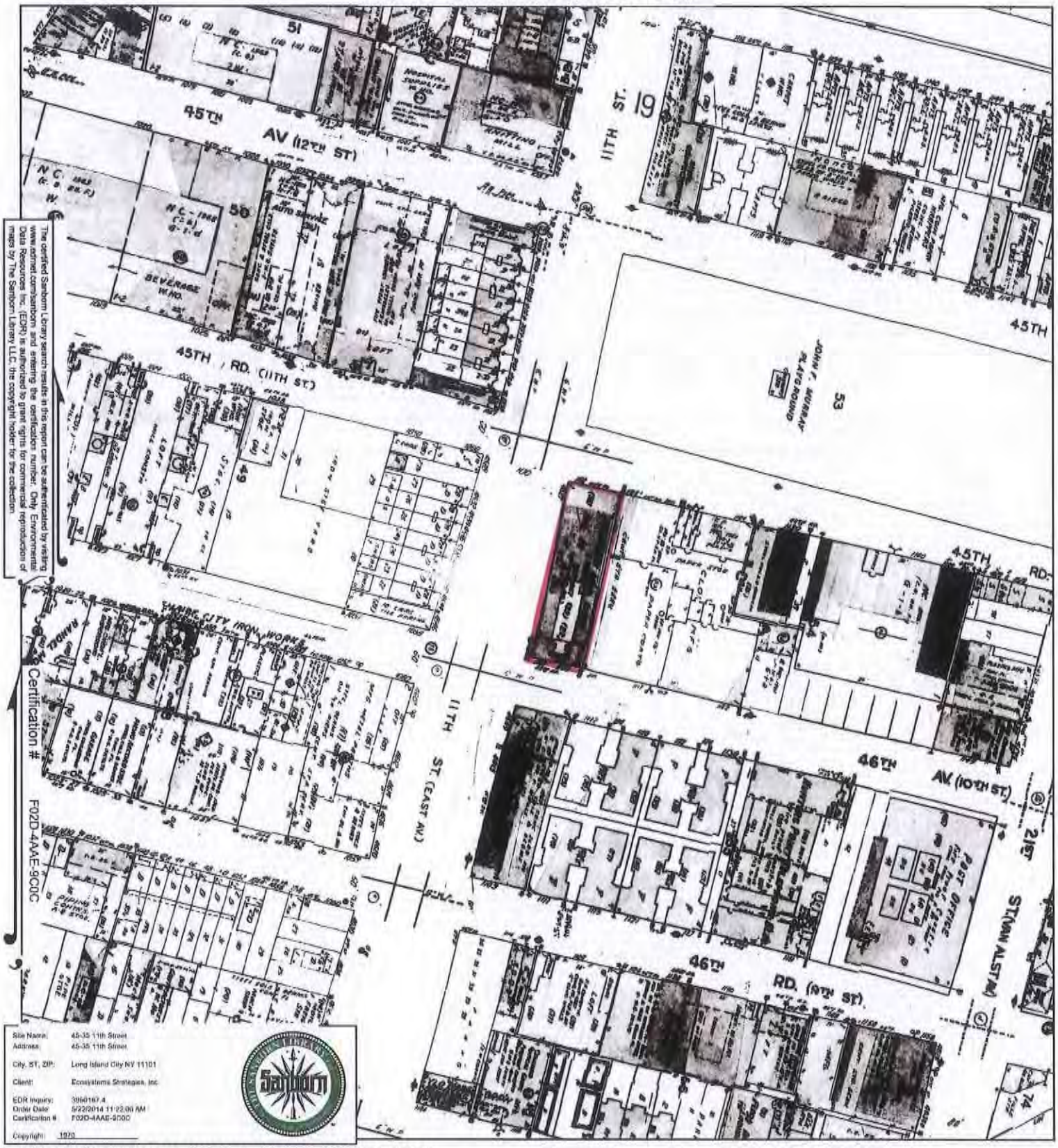
1970 Certified Sanborn Map



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Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1970

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Volume 1, Sheet 14
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Volume 1, Sheet 20

0 Feet 150 300 600

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1977 Certified Sanborn Map

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Site Name:	46-35 11th Street
Address:	46-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1977

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Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

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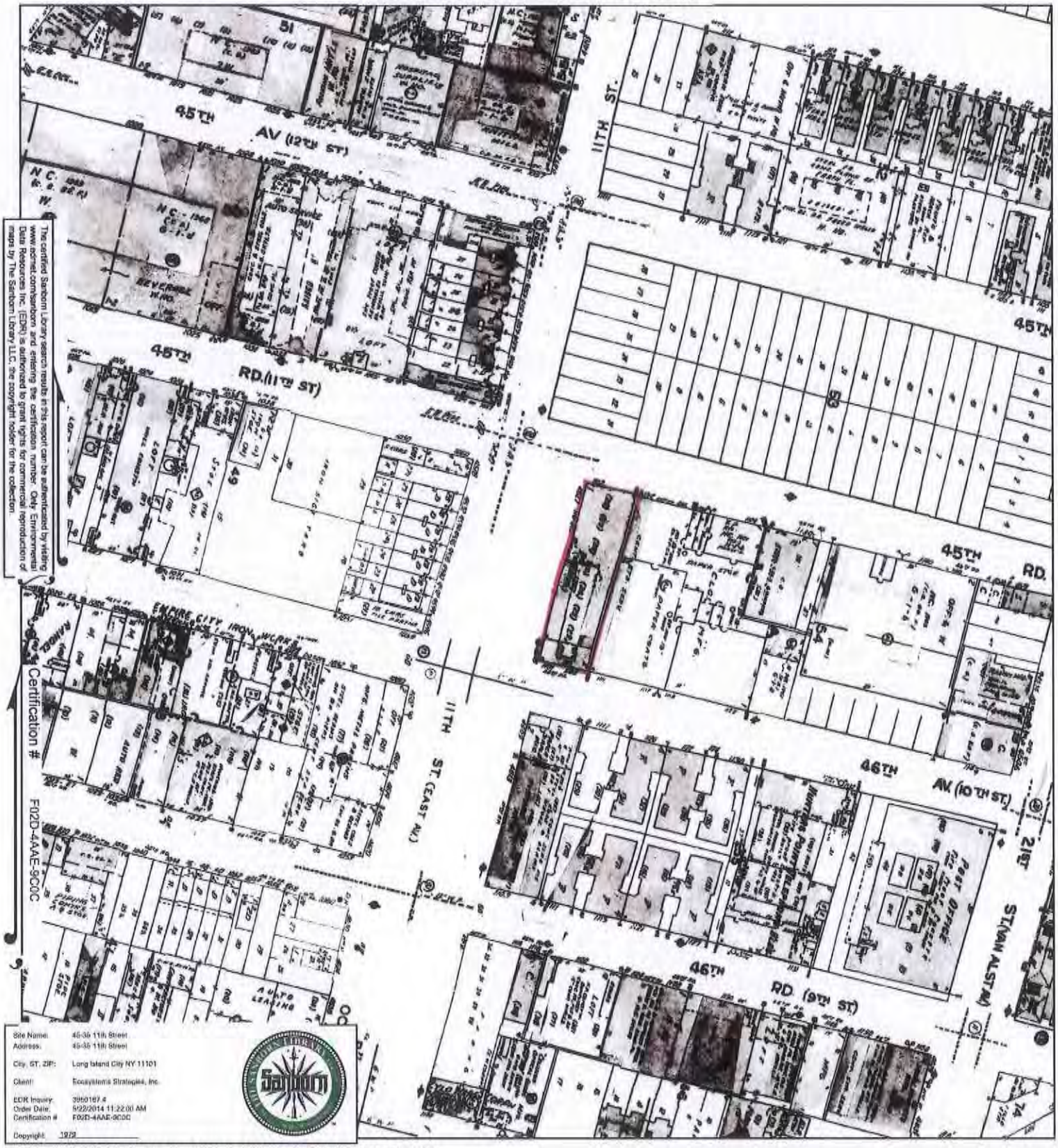

Certification # F02D-4AAE-9C0C

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Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	9/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1979

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Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 14
Volume 1, Sheet 14
Volume 1, Sheet 14

Volume 1, Sheet 19
Volume 1, Sheet 19
Volume 1, Sheet 20

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Address:	49-36 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	6/26/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1950

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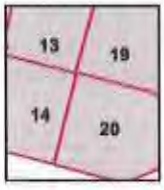

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

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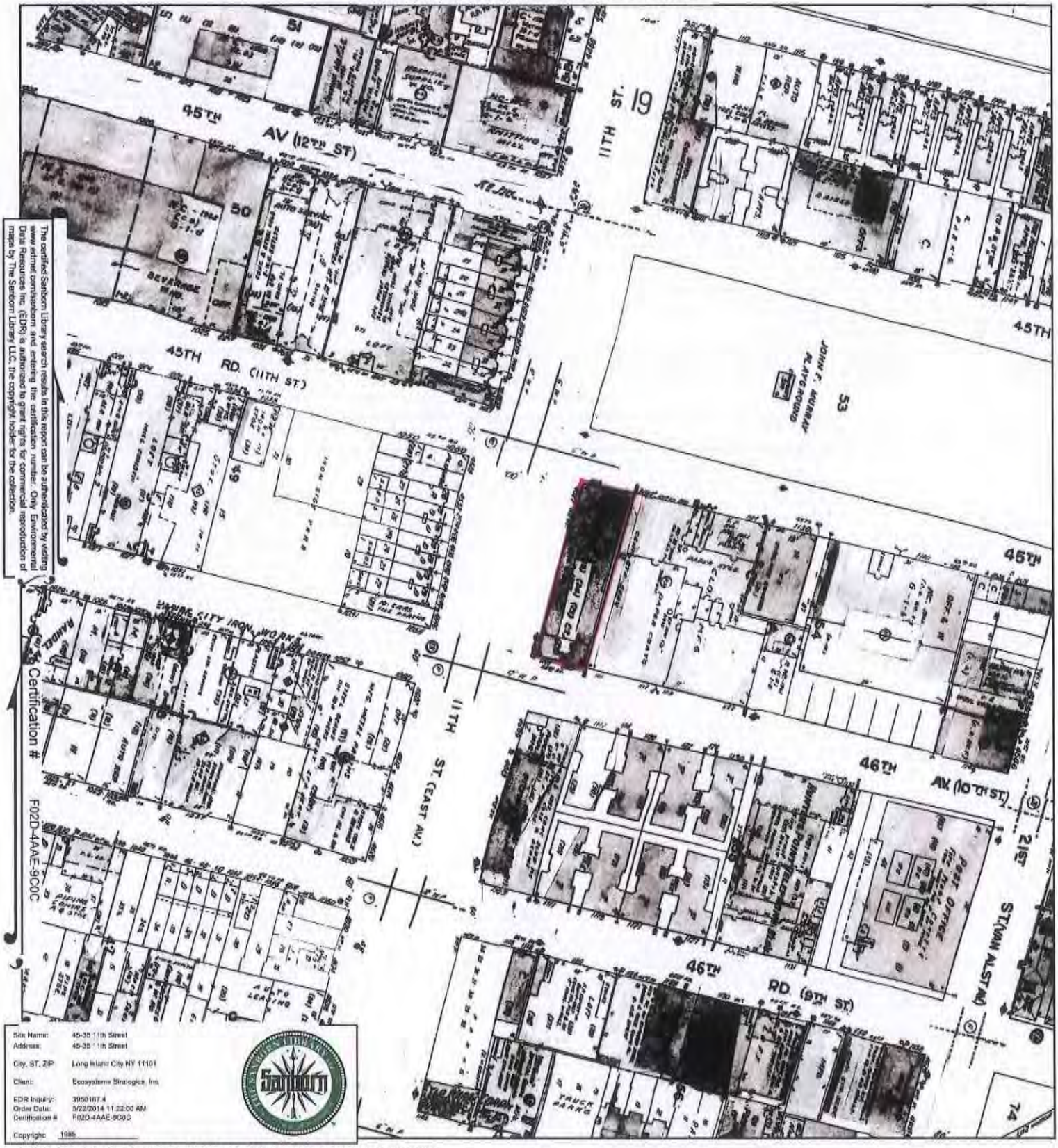
1985 Certified Sanborn Map



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Address:	45-35 11th Street
City, ST, ZIP	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
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Order Date:	3/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1985

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City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1986

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Volume 1, Sheet 20

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1988 Certified Sanborn Map

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City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	8/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1988

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Volume 1, Sheet 20

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1989 Certified Sanborn Map

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City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1989

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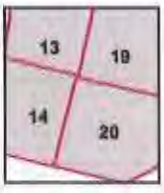

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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1990 Certified Sanborn Map

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Site Name:	45-36 11th Street
Address:	45-36 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1990

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Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1991 Certified Sanborn Map

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Site Name:	46-35 11th Street
Address:	46-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc
EDR Inquiry:	3950167.4
Order Date:	8/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1991

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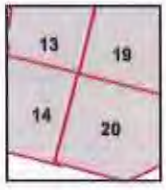

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1992 Certified Sanborn Map

Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1992

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1993 Certified Sanborn Map

Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
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City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1993

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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1994 Certified Sanborn Map

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Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1994

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1995 Certified Sanborn Map

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Certification # F02D-4AAE-9C0C

Site Name:	48-35 11th Street
Address:	48-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	8/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1995

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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1996 Certified Sanborn Map

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EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
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Copyright:	1996

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1999 Certified Sanborn Map

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Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	9/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	1999

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2001 Certified Sanborn Map

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Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	8/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	2001

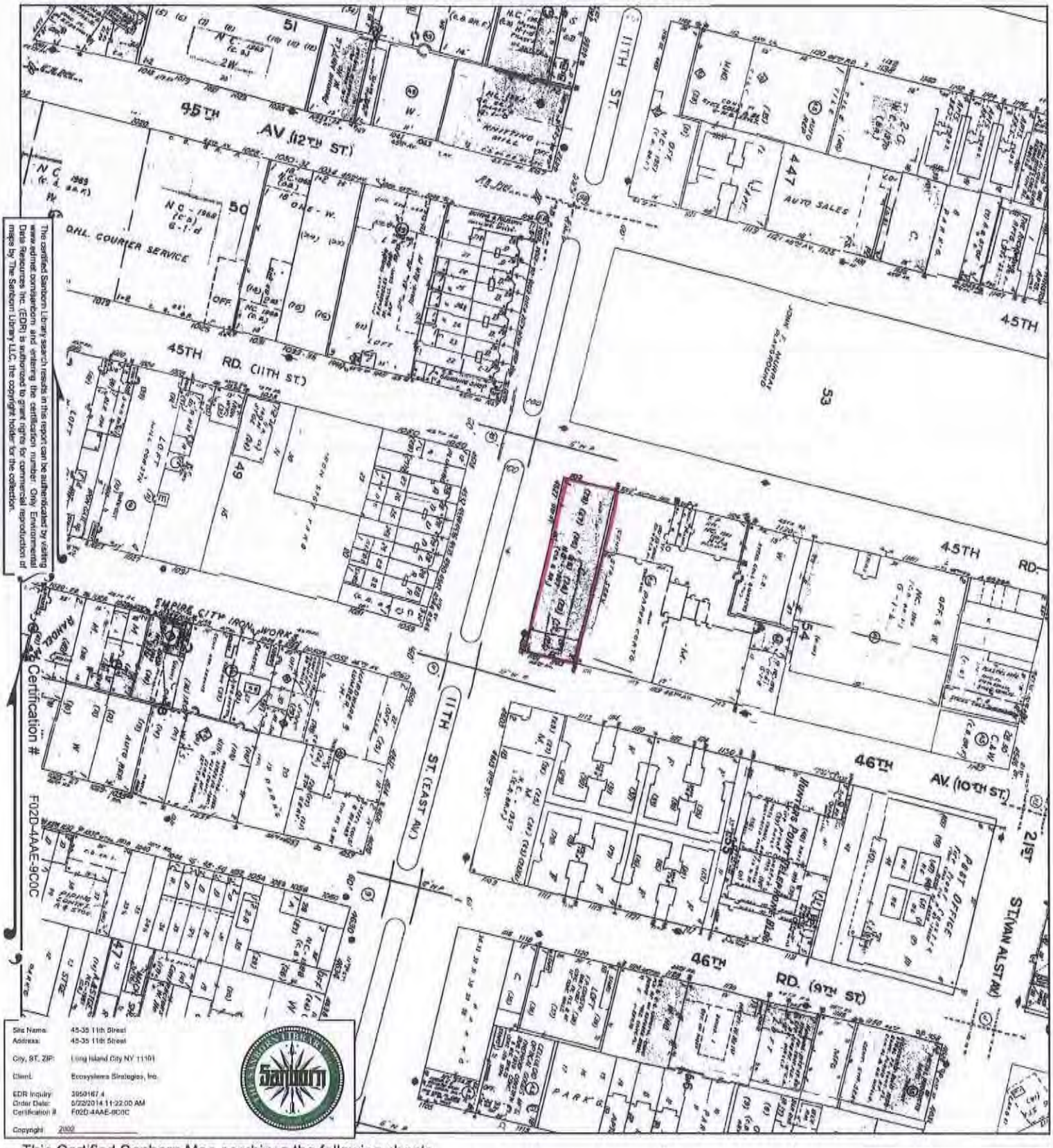
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2002 Certified Sanborn Map



Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	6/20/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	2002

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2003 Certified Sanborn Map

Certification # F02D-4AAE-9C0C

Site Name: 45-36 11th Street
Address: 45-36 11th Street
City, ST, ZIP: Long Island City NY 11101
Client: Ecosystems Strategies, Inc
EDR Inquiry: 3950167.4
Order Date: 6/22/2014 11:22:00 AM
Certification #: F02D-4AAE-9C0C
Copyright: 2003

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2004 Certified Sanborn Map

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Certification # F02D-4AAE-9C0C

Site Name:	45-35 11th Street
Address:	45-35 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #	F02D-4AAE-9C0C

Copyright 2004

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Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2005 Certified Sanborn Map

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 19
Volume 1, Sheet 20
Volume 1, Sheet 13
Volume 1, Sheet 14

0 Feet 150 300 600

N

2006 Certified Sanborn Map

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Site Name:	45-36 11th Street
Address:	45-36 11th Street
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950167.4
Order Date:	5/22/2014 11:22:00 AM
Certification #:	F02D-4AAE-9C0C
Copyright:	2006

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

APPENDIX D

City Directory Abstracts

45-35 11th Street
45-35 11th Street
Long Island City, NY 11101

Inquiry Number: 3950167.5
May 23, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2008	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2005	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1996	NYNEX	-	X	X	-
1991	NYNEX Information Resource Company	-	X	X	-
1983	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1967	New York Telephone	-	X	X	-
1962	New York Telephone Directory	-	X	X	-
1950	New York Telephone	-	X	X	-
1945	New York Telephone	-	X	X	-
1939	New York Telephone Company	-	X	X	-
1934	R. L. Polk Co.	-	X	X	-
	R. L. Polk & Co.	-	X	X	-
1922	The Metropolitan Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

45-35 11th Street
Long Island City, NY 11101

FINDINGS DETAIL

Target Property research detail.

11TH ST

4535 11TH ST

Year	*Uses*	*Source*
2013	WAYLAND INDUSTRIES INC	Cole Information Services
2008	ASSEMBLY PROCESS CO INC	Cole Information Services
	WAYLAND INDUSTRIES INC	Cole Information Services
2005	Wayland Inc	Hill-Donnelly Information Services
2000	Wayland Indstrs	Cole Information Services

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

11TH PL

4616 11TH PL

Year	Uses	Source
1962	Wilson Ruth Mrs	New York Telephone Directory

11TH ST

4446 11TH ST

Year	Uses	Source
1939	Defiance Button Mach Co	New York Telephone Company
1934	Defiance Button Machine Co T H Newton fcty supt	R. L. Polk & Co.
	Newton Thos H supt Defiance Button Machine Co	R. L. Polk & Co.

4461 11TH ST

Year	Uses	Source
2013	ADVANCED ORTHOMEDICAL SUPPLIES	Cole Information Services
	WEILOKS FOR HEAD OF POND LLC	Cole Information Services
	WEILOKS	Cole Information Services
	ACQC	Cole Information Services
2008	LOCAL 805 WELFARE FUND	Cole Information Services
	DENNIS PHARMACY	Cole Information Services
	CITY RIDE TRANSPORTATION	Cole Information Services
2005	Acqc	Hill-Donnelly Information Services
	Teamsters Local Union	Hill-Donnelly Information Services
	Weil Oks For Head Pond LLC	Hill-Donnelly Information Services
	Hispanic Media	Hill-Donnelly Information Services
	Spanish Yellow Pages USA	Hill-Donnelly Information Services

4464 11TH ST

Year	Uses	Source
2008	WORKSHOP4464	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services

FINDINGS

4469 11TH ST

Year	Uses	Source
2000	Lmntr Svce New York Fr	Cole Information Services
	Rauner & Straws Inc	Cole Information Services
	Crea Dor Jwlry Inc	Cole Information Services

4472 11TH ST

Year	Uses	Source
1945	Colonial Pipe & Supl Corp	New York Telephone
1939	Colonial Pipe & Supl Corp	New York Telephone Company
1934	Indiana Quartered Oak Co Inc NY Willard Winslow pres Herbert Mead v pres M G Taylor sec Willard Winslow treas whol lmbr	R. L. Polk & Co.

4480 11TH ST

Year	Uses	Source
2013	NEW CENTURY COLOR	Cole Information Services
	PROGRESS PRINTING CORP	Cole Information Services
	INK WORKS	Cole Information Services
2008	CAMERON GRAPHICS INC	Cole Information Services
	COMBO COLOR GRAPHICS INC	Cole Information Services
	ALL PRINTING LLC	Cole Information Services
	VISION LITHO INC	Cole Information Services
	HUTECH GRAPHICS INC	Cole Information Services
	PROGRESS PRINTING CORP	Cole Information Services
2005	Hutech Graphics is	Hill-Donnelly Information Services
	On Demand Printing 2 0 718 391 0066 o	Hill-Donnelly Information Services
	Vision Litho Inc	Hill-Donnelly Information Services
	Combo Color Graphics 1is	Hill-Donnelly Information Services
	Armen Digital Graphics i s	Hill-Donnelly Information Services
2000	45TH AV INTS FROM	Cole Information Services
	All City Swtchbrd	Cole Information Services

4502 11TH ST

Year	Uses	Source
2013	THIKANA ENTERPRISE INC	Cole Information Services
	M & M AUTO SVCE	Cole Information Services
2005	Thakana Enterprises Inc	Hill-Donnelly Information Services
2000	Thakana Entrprss	Cole Information Services
1939	Felli John garage	New York Telephone Company

FINDINGS

4504 11TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	Elena Pagan	Cole Information Services
	Elena Pagan	Cole Information Services
1945	Cappa Michl	New York Telephone
1934	Colfer Steph Rose varnish mkr	R. L. Polk & Co.
	Cappa Michl Carmela porter	R. L. Polk & Co.
	Cappa Rocco ship clk	R. L. Polk & Co.
	Cappa Anthony clk	R. L. Polk & Co.

4506 11TH ST

Year	Uses	Source
2005	Gilbert Andrew	Hill-Donnelly Information Services
2000	Vanessa C Pino	Cole Information Services
	Ana A Pino	Cole Information Services
1934	Young Wm Gertrude chauf	R. L. Polk & Co.
	Chase Clarence Anna clk	R. L. Polk & Co.

4508 11TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	J Mc Kinney	Cole Information Services
	Stephen Mack	Cole Information Services
1934	De Grace Jos clk	R. L. Polk & Co.
	De Grace Theresa sten	R. L. Polk & Co.
	Di Grace John A Frances tailor	R. L. Polk & Co.
	Di Grace Jos clk	R. L. Polk & Co.
	Di Grace Tessie clk	R. L. Polk & Co.
	Pompono Robt chem	R. L. Polk & Co.
	De Grace Dorothy student	R. L. Polk & Co.
	De Grace Anthony Frances tailor	R. L. Polk & Co.
	Pompono John Kath : Pompono & Visicara	R. L. Polk & Co.

4510 11TH ST

Year	Uses	Source
2008	SARI K LINNEHAN INTERIORS LTD	Cole Information Services
2005	H Linnehan 0 G A	Hill-Donnelly Information Services
2000	Mark Mc Elhatten	Cole Information Services
	David G Linnehan	Cole Information Services

FINDINGS

Year	Uses	Source
1939	Ll City Savings Bank Brdge Plz N ST Ilwel 46090	New York Telephone Company
	Ll City Registry For Nurses	New York Telephone Company
	Faust Elsie R prses rgstry	New York Telephone Company
1934	Birch Thos A clk	R. L. Polk & Co.
	Birch Helen clk	R. L. Polk & Co.
	Blihar Frank Blihar Spring & Body Shop	R. L. Polk & Co.
	Birch Anne Wid thos	R. L. Polk & Co.
	Hullep John Mamie auto repr	R. L. Polk & Co.

4512 11TH ST

Year	Uses	Source
2005	Valasek Mary	Hill-Donnelly Information Services
1945	Cioffi S	New York Telephone
1939	Cioffi S	New York Telephone Company
1934	Bizzaro Frank Jennie lab	R. L. Polk & Co.
	Bizzaro Michl Mary	R. L. Polk & Co.
	Ciofo Salvator Susan formn	R. L. Polk & Co.
	Di Grace Louise sweeper	R. L. Polk & Co.

4514 11TH ST

Year	Uses	Source
2005	HPalno TA AO	Hill-Donnelly Information Services
	Carr Maclean	Hill-Donnelly Information Services
	h Bean Kevin p	Hill-Donnelly Information Services
2000	Matt Dolingo	Cole Information Services
	Kevin Bean	Cole Information Services
1934	Incantalupo Thos Dorothy lithog	R. L. Polk & Co.

4516 11TH ST

Year	Uses	Source
2005	h Ulino Veronica Mrs Aa	Hill-Donnelly Information Services
2000	Veronica	Cole Information Services
1970	Ulino Robt	New York Telephone
1967	Ulino Robt	New York Telephone
1962	Ulino Robt	New York Telephone Directory
1945	Ulino Robt	New York Telephone
1934	Ulino Robt I Angelina agt Met Life Ins Co	R. L. Polk & Co.
	Smith Richd Amelia firemn	R. L. Polk & Co.

FINDINGS

4518 11TH ST

Year	Uses	Source
2005	h Tisne Claire	Hill-Donnelly Information Services
	Cruz Vanessa vv	Hill-Donnelly Information Services
	Untitled Management o	Hill-Donnelly Information Services
2000	J Mc Donnell	Cole Information Services
	Tsay Wen Ching	Cole Information Services
	Thomas Bosket	Cole Information Services
1934	Mc Goldrick Jas Margt tax comnr Brooklyn	R. L. Polk & Co.
	Mc Goldrick Wm clk	R. L. Polk & Co.

4520 11TH ST

Year	Uses	Source
2013	M C JEWELRY CORP	Cole Information Services
2005	M C Jewelry Corp	Hill-Donnelly Information Services
2000	45TH RD INTS FROM	Cole Information Services
	Jewelry Corp	Cole Information Services

4528 11TH ST

Year	Uses	Source
2013	MICHAEL W YOUNG ASSOCS INC	Cole Information Services
2008	MY DESIGN GROUP	Cole Information Services
2005	My Design Group Inc IP	Hill-Donnelly Information Services
2000	Mydesign Group Inc	Cole Information Services
	D Studio	Cole Information Services
	My Design Grp Inc	Cole Information Services
	Allstar Intrntl	Cole Information Services
	Mydesign Group Inc	Cole Information Services
1945	Mulligan Thos F plumbr	New York Telephone
1939	Mulligan Thos F plumbr	New York Telephone Company
1934	Mulligan Thos F Margt plmbr	R. L. Polk & Co.

4530 11TH ST

Year	Uses	Source
1939	Harding Theresa	New York Telephone Company
	Sullivan Timothy J	New York Telephone Company
1934	Rossiter Thos E	R. L. Polk & Co.
	Sullivan Timothy J Henrietta police	R. L. Polk & Co.
	Harding Theresa wid Jos	R. L. Polk & Co.
	Rossiter John letter carrier	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Rossiter Thos E jr auto mech	R. L. Polk & Co.

4532 11TH ST

Year	Uses	Source
2013	LLC TRUCKING CORP	Cole Information Services
2005	h Dwyer Jennifer A	Hill-Donnelly Information Services
	Lic Trucking Corp	Hill-Donnelly Information Services
	Dwyer R C	Hill-Donnelly Information Services
2000	Dwyer	Cole Information Services
	William Dwyer	Cole Information Services
1945	Alifano Rocco	New York Telephone
1934	Santangelo Louis elev opr	R. L. Polk & Co.
	Santangelo Gennaro Eugenia floatmn	R. L. Polk & Co.
	Calci Rudolph Virginia barber	R. L. Polk & Co.
	Alifano Rocco Anna chauf	R. L. Polk & Co.

4534 11TH ST

Year	Uses	Source
2005	h Schladweller Keith v	Hill-Donnelly Information Services
	H Martin G 718 784 3502 s	Hill-Donnelly Information Services
2000	Jason Mc Kim	Cole Information Services
	G Martin	Cole Information Services
1945	Smyth Jos	New York Telephone
1934	Glenn John J Margt trucking	R. L. Polk & Co.
	Glenn John J jr police Mhn	R. L. Polk & Co.
	Glenn Arth clk	R. L. Polk & Co.
	Donnelly Geo J Frances city firemn	R. L. Polk & Co.

4536 11TH ST

Year	Uses	Source
2005	h VIttlglio S	Hill-Donnelly Information Services
2000	Cathy Vittiglio	Cole Information Services
	Rolando Dur	Cole Information Services
	S Vittiglio	Cole Information Services
1934	Oliveri Vincent Theresa brass turner	R. L. Polk & Co.
	Oliveri Jos seamn	R. L. Polk & Co.
	Oliveri Christina tel opr	R. L. Polk & Co.
	Augustine Rocco Julia auto mech	R. L. Polk & Co.
	Augustine Louis Margt lab	R. L. Polk & Co.

FINDINGS

4538 11TH ST

Year	Uses	Source
2005	4540 NCL	Hill-Donnelly Information Services
2000	Hana A Dolgin	Cole Information Services
	Jason Sarach	Cole Information Services
1945	Carroll Dorothea A	New York Telephone
1934	Carroll Dan F	R. L. Polk & Co.
	Carroll Edw clk	R. L. Polk & Co.
	Carroll Gerald clk	R. L. Polk & Co.
	Carroll John J jr tchr	R. L. Polk & Co.
	Carroll John J Anna V slsmn	R. L. Polk & Co.

4540 11TH ST

Year	Uses	Source
2000	Catherine Mc Neil	Cole Information Services
1934	Higgins Sylvester Winefred exmng inspr Commnr of Accounts	R. L. Polk & Co.
	Henning Elizabeth bkpr	R. L. Polk & Co.
	Henning Jas clk	R. L. Polk & Co.
	Henning Helen G tchr	R. L. Polk & Co.

4542 11TH ST

Year	Uses	Source
2005	h Treanor Karen v	Hill-Donnelly Information Services
2000	Ann Ducati	Cole Information Services
	Karen Treanor	Cole Information Services
	J Reese	Cole Information Services
	Bethann Reese	Cole Information Services
1934	Dressler Aug Adelaide clk	R. L. Polk & Co.

4544 11TH ST

Year	Uses	Source
2005	Computer & Network Integrators	Hill-Donnelly Information Services
	is 718 784 9369 o	Hill-Donnelly Information Services
	Mcgoff Michael	Hill-Donnelly Information Services
	Verhurst Christine	Hill-Donnelly Information Services
	h Mcgoff Michael 718 937 5255 o	Hill-Donnelly Information Services
2000	Alvaro Caro	Cole Information Services
	Kazimierz Prostko	Cole Information Services
	Christine Verhulst	Cole Information Services
	Christine Verhurst	Cole Information Services

FINDINGS

Year	Uses	Source
2000	C Verhulst	Cole Information Services
1934	Kingston Saml Sweeper	R. L. Polk & Co.
	Walsh Edw sta eng	R. L. Polk & Co.
	Gallagher Patk lab	R. L. Polk & Co.

4546 11TH ST

Year	Uses	Source
2013	CCIA COMPUTER COOL AGE	Cole Information Services
2008	COMPUTERCOOL AIR CONDITIONING INC	Cole Information Services
	CCIA COMPUTER COOL AGE	Cole Information Services
	COMPUTER COOL ICEAGE MECHANICAL	Cole Information Services
2005	Ccla Inc	Hill-Donnelly Information Services
	Computercool Air Conditioning	Hill-Donnelly Information Services
2000	46TH AV INTS FROM	Cole Information Services
	Ccia Inc	Cole Information Services

4591 11TH ST

Year	Uses	Source
2005	465 Cars I	Hill-Donnelly Information Services

46-31 11TH ST

Year	Uses	Source
1950	SALOMONE ANTHONY W	New York Telephone

46-32 11TH ST

Year	Uses	Source
1950	MARINELLO M DELETTA MRS	New York Telephone

46-34 11TH ST

Year	Uses	Source
1950	WALTHAUSEN H	New York Telephone

46-37 11TH ST

Year	Uses	Source
1950	MORLARTY THOS F	New York Telephone

46-41 11TH ST

Year	Uses	Source
1950	CALVIN MARGARET V MRS	New York Telephone

FINDINGS

46-43 11TH ST

Year	Uses	Source
1950	BLECHI NICHOLAS	New York Telephone

46-44 11TH ST

Year	Uses	Source
1950	FAHNESTOCK ELEC CO INC	New York Telephone
	DERMOCARE FORMULA SOAP CORP	New York Telephone
	REINITZ SOAP CORP	New York Telephone
	SAFETY EXPRESS & TRUCKING INC	New York Telephone

4606 11TH ST

Year	Uses	Source
2013	SYMMETRY GROUP INC	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2000	Bambl Reality	Cole Information Services
	Vistaar Inc	Cole Information Services
	Kuckuck Hommer	Cole Information Services
	Bures Cheml Syst	Cole Information Services

4609 11TH ST

Year	Uses	Source
2013	MERGE MARKETING	Cole Information Services
	BIG CITY GRAPHX & PRINTING	Cole Information Services
2008	BIG CITY GRAPH X & PRINTING	Cole Information Services
	MERGE MARKETING	Cole Information Services
	GENERAL INSULATION CO INC	Cole Information Services
2005	Pride Printing 2 o	Hill-Donnelly Information Services
	Merge Marketing 1 P	Hill-Donnelly Information Services
	General Insulation Inc	Hill-Donnelly Information Services
	Big City Graph X & Printing	Hill-Donnelly Information Services
2000	David Krohn	Cole Information Services
	Borgess Upholstery	Cole Information Services

4610 11TH ST

Year	Uses	Source
2013	MAJOR AIR SVCE CORP	Cole Information Services
2008	MAJOR AIR SERVICE CORP	Cole Information Services
	SHROID REALTY CO	Cole Information Services
2005	Major Air Svc Corp 2 o	Hill-Donnelly Information Services
2000	Shroid Constr Inc	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Shroid Constr Inc	Cole Information Services
	46TH RD INTS FROM	Cole Information Services
1967	Flush Metal Partition Corp	New York Telephone
1962	Flush Metal Partition Corp	New York Telephone Directory
	Rachlin Geo lwyr	New York Telephone Directory
1945	Flush Metal Partition Corp	New York Telephone
	Rachlin Geo lwyr	New York Telephone

4613 11TH ST

Year	Uses	Source
1962	AAA Bindry Corp	New York Telephone Directory

4614 11TH ST

Year	Uses	Source
1934	Monahan John clk	R. L. Polk & Co.

4620 11TH ST

Year	Uses	Source
2013	4620 11 ST LLC	Cole Information Services
2008	AIR TECH COOLING INC	Cole Information Services
2005	Rush Forest LLC	Hill-Donnelly Information Services
1934	Donnelly Cath	R. L. Polk & Co.
	Donnelly Helen C libraian Queens Boro Pub Lib	R. L. Polk & Co.
	Donnelly John J swtchmn	R. L. Polk & Co.
	Donnelly Kath M clk	R. L. Polk & Co.
	Donnelly Mae sten	R. L. Polk & Co.
	Donnelly Maru clk pres BQ	R. L. Polk & Co.

4627 11TH ST

Year	Uses	Source
1934	Fazio Philip Josephine prsr	R. L. Polk & Co.
	Marzano Danl Angelina lab	R. L. Polk & Co.

4629 11TH ST

Year	Uses	Source
1934	Polachek Mary wid Herman	R. L. Polk & Co.
	Rapaport Charlotte Polachek & Repaport	R. L. Polk & Co.
	Polachek Ely Charlotte Polachek & Rapaport	R. L. Polk & Co.

FINDINGS

4630 11TH ST

Year	Uses	Source
1934	Cook Fredk Eleanor lab	R. L. Polk & Co.
	Cook Fredk jr lab	R. L. Polk & Co.

4631 11TH ST

Year	Uses	Source
1934	De Canio Carmela lndrymn	R. L. Polk & Co.
	De Canio Danl Jenny elev opr	R. L. Polk & Co.
	De Canio Lucy midwife	R. L. Polk & Co.
	De Canio Salvator Lucy confr	R. L. Polk & Co.
	Felli John Lucy auto mech	R. L. Polk & Co.

4632 11TH ST

Year	Uses	Source
2005	Interstate Exterminating Svc	Hill-Donnelly Information Services
2000	Reutokil	Cole Information Services
	Intrstt Extrem Svc	Cole Information Services
1934	Gween Agnes wid Harry	R. L. Polk & Co.
	Conway Richd lab	R. L. Polk & Co.
	Conway Peter jr clk	R. L. Polk & Co.
	Conway Peter lab	R. L. Polk & Co.
	Conway Francis ship clk	R. L. Polk & Co.

4633 11TH ST

Year	Uses	Source
1934	Monahan Frank blmkr	R. L. Polk & Co.
	Monahan Frank Maryu	R. L. Polk & Co.

4634 11TH ST

Year	Uses	Source
2013	RENTOKIL	Cole Information Services
	PINNACLE REALTY OF NY LLC	Cole Information Services
2008	DON ALAN REALTY ASSOCIATES INC	Cole Information Services
	RENTOKIL INC	Cole Information Services
	RENTOKIL INC PEST CONTROL SERVICE	Cole Information Services
2005	Rentokil Pest Control Svc	Hill-Donnelly Information Services
	Don Alan Realty Assoc Inc	Hill-Donnelly Information Services
2000	Don ALN Rity Assoc	Cole Information Services
1934	Mc Vey Mary wid Henry	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Conlin Thos lab	R. L. Polk & Co.
	Mc Vey	R. L. Polk & Co.

4635 11TH ST

Year	Uses	Source
1934	Hays Nellie wid Timothy	R. L. Polk & Co.
	Ronan Elizabeth	R. L. Polk & Co.

4636 11TH ST

Year	Uses	Source
2013	MAVERICK CATERERS	Cole Information Services
2008	SAGE AMERICAN KITCHEN	Cole Information Services
2005	Cafe St Barts	Hill-Donnelly Information Services
	Sage American Kitchen 1n	Hill-Donnelly Information Services
1934	Babeuf Wm Mary firemn	R. L. Polk & Co.
	Maher Wm sweeper	R. L. Polk & Co.

4637 11TH ST

Year	Uses	Source
1934	Freeman Benj carrier PO	R. L. Polk & Co.

4639 11TH ST

Year	Uses	Source
1934	Garrett Cath	R. L. Polk & Co.
	Garrett Jas pntr	R. L. Polk & Co.

4641 11TH ST

Year	Uses	Source
1945	OBrien M Miss	New York Telephone
1939	OBrien M Miss	New York Telephone Company
1934	OBrien Patk Margt	R. L. Polk & Co.
	Monahan Delia Wid Patk	R. L. Polk & Co.
	OBrien Mary drsmkr	R. L. Polk & Co.

4643 11TH ST

Year	Uses	Source
1939	Miller E G	New York Telephone Company
1934	Mc Grath Thos Cath wtchmn	R. L. Polk & Co.
	Mc Grath John lab	R. L. Polk & Co.

FINDINGS

4644 11TH ST

Year	Uses	Source
2013	COLOR GRAPHIC PRESS INCORPORATED	Cole Information Services
2008	NEW YORK EMBLEMS & AWARDS	Cole Information Services
	SIMBA AWARDS LTD	Cole Information Services
2005	Drasdn Enterprise Inc	Hill-Donnelly Information Services
2000	Robert Kingston	Cole Information Services
	Timothy Lee	Cole Information Services
	Douglas Metzler	Cole Information Services
	47TH AV INTS FROM	Cole Information Services
	Simba Awards Ltd	Cole Information Services
	New York Emblerns & Awards	Cole Information Services
	Color Graphic PRS	Cole Information Services
1945	Reinitz F & Co Inc soaps	New York Telephone
1939	Fahnestock Electric Co	New York Telephone Company
1934	Govett Limited Y Thos Govett pres Ernest Clegg v pres Albert A Danda sec Ernest H Govett treas chemists mfrs	R. L. Polk & Co.
	Collene Laboratories Inc NY A L Ferguson pres A A Galich sec Mrs Percy H Williams treas chemists	R. L. Polk & Co.
	Fahnestock Electric Co W Va Archie P Fabnestock pres Frank Fahnestock v pres Alf A Danda sec treas	R. L. Polk & Co.

4645 11TH ST

Year	Uses	Source
1934	Bales Arth lab	R. L. Polk & Co.

4647 11TH ST

Year	Uses	Source
1934	Melican John Agnes lab	R. L. Polk & Co.
	Mc Cartan Jas lab	R. L. Polk & Co.

4649 11TH ST

Year	Uses	Source
1939	Barrett Almyra Mrs	New York Telephone Company
1934	Barrett John Almyra clk	R. L. Polk & Co.

4653 11TH ST

Year	Uses	Source
1939	Augente F S	New York Telephone Company

Year	Uses	Source
1934	Augente Frank S clk	R. L. Polk & Co.
	Augente Michl	R. L. Polk & Co.

21ST ST

4528 21ST ST

Year	Uses	Source
2013	MEDICAL OFFICE	Cole Information Services
	QUANTECH CORP	Cole Information Services
	PARKVIEW DENTAL CENTER	Cole Information Services
	POLICE SURVIVORS FUND	Cole Information Services
2008	PARKVIEW DENTAL CENTER	Cole Information Services
	FRANCISCO & VICENTE MDS	Cole Information Services
	SEA VIEW DENTAL PC	Cole Information Services
	QUANTECH CORP	Cole Information Services
	ANGELOS GEORGOPOULOS PC	Cole Information Services
	POLICE PAGES INC	Cole Information Services
	MEDICAL OFFICE	Cole Information Services

4536 21ST ST

Year	Uses	Source
1976	HUTZLER MFG CO plstcs	New York Telephone
1970	HUTZLER MFG CO plstcs	New York Telephone
1967	HUTZLER MFG CO plstcs	New York Telephone
1962	HUTZLER MFG CO plstcs	New York Telephone Directory

4537 21ST ST

Year	Uses	Source
2013	METROCOM SVCES INC	Cole Information Services
2008	TUTTLE ROOFING CO INC	Cole Information Services
2005	Tuttle Roofing Co Inc	Hill-Donnelly Information Services
1991	Pioneer Graphics Inc	NYNEX Information Resource Company
	Pioneer Graphics Inc	NYNEX Information Resource Company
1983	IDEAL ROOFING & SHEET METALS CORP	New York Telephone
1976	Arrow Bldg Restoration Inc	New York Telephone
1970	Heffron Z F	New York Telephone
1967	Oldford Edw J	New York Telephone
1962	Oldford Edw J	New York Telephone Directory
	Kottl Warren	New York Telephone Directory

FINDINGS

Year	Uses	Source
1945	Bruschi Margaret	New York Telephone
	OLeary Arthur E	New York Telephone
1934	Bruschi John Jane hlpr	R. L. Polk & Co.
	OLeary Arth clk	R. L. Polk & Co.
	Opperman Chas mach	R. L. Polk & Co.

4539 21ST ST

Year	Uses	Source
2005	h Brown Paul A	Hill-Donnelly Information Services
	Sbihi Amin v 718	Hill-Donnelly Information Services
1991	Barthelemy Ricardo	NYNEX Information Resource Company
	Tastaeca Waldo L	NYNEX Information Resource Company
1983	Barthelemy Ricardo	New York Telephone
	Tastaca Waldo L	New York Telephone
1976	Aviles Michael	New York Telephone
1970	DeMartino Catherine M	New York Telephone
	Oldford Edward A Jr	New York Telephone
1967	DeMartino Catherine M	New York Telephone
1962	DeMartino Catherine M	New York Telephone Directory
	Drowica Al	New York Telephone Directory
1945	Haefelin Martha Mrs	New York Telephone
	Jaeger Marie Mrs	New York Telephone
1939	Haefelin Martha Mrs	New York Telephone Company
1934	Haefelin Martha wid Jos midwife	R. L. Polk & Co.
	Herlihy Hannah wid Patk	R. L. Polk & Co.
	Herlihy Hannah wid Patk	R. L. Polk & Co.
	Schiller John Margt meat ctr	R. L. Polk & Co.
	Sciller John Margt meats	R. L. Polk & Co.

4540 21ST ST

Year	Uses	Source
2013	TCM CORP	Cole Information Services
	FORTUNE PAPER COMPANY INCORPORATED	Cole Information Services
	BEAM SUPPLY	Cole Information Services
2005	East Coast Plastic Bag Co	Hill-Donnelly Information Services
	Fortune Paper Co Inc	Hill-Donnelly Information Services
	Supplies Unlimited LLC	Hill-Donnelly Information Services
	Beam Supply	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
1991	Fortune Paper Co Inc	NYNEX Information Resource Company
1983	Beam Supply Inc	New York Telephone
1976	Lopol Inc	New York Telephone
1970	Plas Kit Co kitchenwares	New York Telephone
1967	Plas Kit Co kitchenwares	New York Telephone
1962	Plas Kit Co kitchenwarcs	New York Telephone Directory

4543 21ST ST

Year	Uses	Source
2013	JUSLER ELECTRIC	Cole Information Services
2008	SCHINDLER ELEVATOR CORP	Cole Information Services
2005	Boom Construction Inc 20 718 937 3517 o	Hill-Donnelly Information Services
1983	Oller Lourdes	New York Telephone
	Castro T T	New York Telephone
	Castro Carmina T	New York Telephone
1970	Murray Lawrence J	New York Telephone
1967	Murray Lawrence J	New York Telephone
1962	Murray Lawrence J	New York Telephone Directory
1945	Curran John J	New York Telephone
1934	Murry Lawrence Mary printer	R. L. Polk & Co.
	Murray Peter printer	R. L. Polk & Co.
	Murray Della Peter	R. L. Polk & Co.
	Murray Ann clk	R. L. Polk & Co.

4544 21ST ST

Year	Uses	Source
1939	Heim Edw Rev	New York Telephone Company
1934	Heim Edw rector St Johns Church	R. L. Polk & Co.

4545 21ST ST

Year	Uses	Source
2005	h Austria Amalia A	Hill-Donnelly Information Services
	Gatus Wemer	Hill-Donnelly Information Services
	H Gatus Demetria O 718 937 9710 oo	Hill-Donnelly Information Services
1991	Pagan Elena S	NYNEX Information Resource Company
1983	Pagan Maria I	New York Telephone
	Pagan Elena S	New York Telephone
1970	Walsh Maura R	New York Telephone
1967	Walsh Maura R	New York Telephone

FINDINGS

Year	Uses	Source
1962	Walsh Maura R	New York Telephone Directory
1945	Walsh Thos	New York Telephone
	Flanagan Nellie Mrs	New York Telephone
1934	Walsh Thos Frances chauf	R. L. Polk & Co.
	Turley Mary	R. L. Polk & Co.
	Kline Anna	R. L. Polk & Co.

4546 21ST ST

Year	Uses	Source
2013	ASYMPTOTE ARCHITECTURE	Cole Information Services
	WEIL OKS	Cole Information Services
2008	NEW NY METROPOHITAN TRANSPORTATION C	Cole Information Services
	NEW YORK OFFICE SYSTEMS INC	Cole Information Services
2005	Garth Clark Gallerys Project	Hill-Donnelly Information Services
1983	Private Sanitation Union Local	New York Telephone
	Private Industry Council	New York Telephone
	Career Svce Inc	New York Telephone
1976	Alloy Casting Co	New York Telephone
1970	Wrhse	New York Telephone
1967	Wrhse	New York Telephone
1962	Schneiders Peter Sons & Co uphlstry fabrcs	New York Telephone Directory
	Wrhse	New York Telephone Directory
	GAS CONSUMERS SVCE emergncy genl ofc	New York Telephone Directory

4587 21ST ST

Year	Uses	Source
1934	Flyn John	R. L. Polk & Co.

4601 21ST ST

Year	Uses	Source
2013	P S ONE	Cole Information Services
	M WELLS DINETTE	Cole Information Services
2008	INSTITUTE FOR CONTEMPORARY ART	Cole Information Services
2005	Institute Contemporary Art	Hill-Donnelly Information Services
1991	P S One Div Of Inst For Art & Urban Resources Inc	NYNEX Information Resource Company
1983	Institute For Art & Urban Resources Inc	New York Telephone
	Kaps Ferne b	New York Telephone

Year	Uses	Source
1983	Mac Lennan T	New York Telephone
	P S One Div Of Inst For Art & Urban Resources Inc	New York Telephone
	Scharf Kenny	New York Telephone
1976	Economic Opportunity Act Adult Educ	New York Telephone
1970	Economic Opportunity Act Adult Educ	New York Telephone
1967	Economic Opportunity Act Adult Educ	New York Telephone

4602 21ST ST

Year	Uses	Source
2013	AMERICAN POSTAL WORKERS UNIT LOCAL 1	Cole Information Services
	LL CITY POSTAL EMPLOYEES FED CREDIT	Cole Information Services
2008	UNITED STATES POSTAL SERVICE	Cole Information Services
	LI CITY POSTAL EMPLOYEES FED CREDIT	Cole Information Services

44TH DR

1056 44TH DR

Year	Uses	Source
1934	Lauer Frank Marie slsmn	R. L. Polk & Co.

1105 44TH DR

Year	Uses	Source
2013	DIGITAL INK	Cole Information Services
	COSMOS COMMUNICATIONS	Cole Information Services
	HARLIN PRINTING SERVICES INC	Cole Information Services
	LC PREMIUM LTD	Cole Information Services
2008	WINSON SURNAMER INC	Cole Information Services
	COSMOS COMMUNICATIONS INC	Cole Information Services
	ALTERNATIVE SOURCE CATALOG CO	Cole Information Services
2005	Catalog King 2 R	Hill-Donnelly Information Services
	Cosmos Communications Inc	Hill-Donnelly Information Services
	Mohican Press	Hill-Donnelly Information Services
	Winson Sumamer Inc	Hill-Donnelly Information Services
2000	Cosmos Cmmnctns	Cole Information Services
	Winson Smmir Inc	Cole Information Services
1991	Cosmos Communications Inc	NYNEX Information Resource Company
	Doublet Festitub	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Performance Designs Inc	NYNEX Information Resource Company
	Seal Kap Packaging Inc	NYNEX Information Resource Company
1983	Seal Kap Packaging Inc	New York Telephone
	Seal Kap Packaging Inc	New York Telephone
1970	Haskon Inc	New York Telephone
1967	Haskon Inc	New York Telephone
1962	Amer Seal Kap Corp	New York Telephone Directory
	Constellation Cup Corp	New York Telephone Directory
	Seal Kap Co	New York Telephone Directory
1945	Seal Kap Co	New York Telephone
	Amer Seal Kap Corp	New York Telephone
1939	American Seal Kap Corp	New York Telephone Company
	Seal Kap Co	New York Telephone Company
1934	ODonnell Geo K pres Am Seal Kap Corp	R. L. Polk & Co.

1110 44TH DR

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services

1111 44TH DR

Year	Uses	Source
2013	CELNET COMMUNICATIONS	Cole Information Services
	ONE TO ONE INC	Cole Information Services
2008	THE PERFECT CONNECTION GROUP LLC	Cole Information Services
	THE CELLULAR NETWORK COMMUNICATION G	Cole Information Services
	1818 AVE N LLC	Cole Information Services
	MATRIX MARKETING SERVICE INC	Cole Information Services
2005	Cel Net Communications	Hill-Donnelly Information Services
1991	BERGER GLASS & LOCK CO	NYNEX Information Resource Company
1934	Royal Blue Line Jos Cook forma	R. L. Polk & Co.

1112 44TH DR

Year	Uses	Source
1991	Luigis Sport Car Repr	NYNEX Information Resource Company
1983	Frenchs Acassan & Genl Goods Inc	New York Telephone
	ATLAM AUTO BODY SHOP	New York Telephone
	The French Acassan & Genl Goods Inc	New York Telephone
1976	Climaster Inc	New York Telephone

FINDINGS

Year	Uses	Source
1970	Toyo Rug CoLtd	New York Telephone

1114 44TH DR

Year	Uses	Source
1962	Cruz Hector	New York Telephone Directory
1934	Coln Frank Kate chauf	R. L. Polk & Co.

1116 44TH DR

Year	Uses	Source
2013	POSADA BROTHERS AUTO	Cole Information Services
2008	POSADA BROTHERS AUTO REPAIR	Cole Information Services
2005	Posada Brothers Auto Repair	Hill-Donnelly Information Services
2000	Posada Bros At Rpr	Cole Information Services
1991	LUIGIS SPORTS CAR REPAIR INC	NYNEX Information Resource Company
1970	Hotel & Theatr Carpt Corp wrhse	New York Telephone
1945	Udylite Corp	New York Telephone

1121 44TH DR

Year	Uses	Source
2013	LOCKS & LOCKSMITHS	Cole Information Services
	MY LOCKSMITH	Cole Information Services

1133 44TH DR

Year	Uses	Source
1934	Passarelle Anthony Rose plstr	R. L. Polk & Co.

1134 44TH DR

Year	Uses	Source
2005	h Antell K v 718 361 6988 oo	Hill-Donnelly Information Services
	Ditzler Anne	Hill-Donnelly Information Services
	h Mommaas Marc 718 482 1345 oo	Hill-Donnelly Information Services
	h Sabater Gloria AO	Hill-Donnelly Information Services
	h Trinidad Andres AV	Hill-Donnelly Information Services
	Zelig Shauna v O	Hill-Donnelly Information Services
2000	James Bove	Cole Information Services
1991	Eldredge Lynn	NYNEX Information Resource Company
	Gobaira Valerie	NYNEX Information Resource Company
	Johnston Gail	NYNEX Information Resource Company
	Mac Namara Pete	NYNEX Information Resource Company
	Martinez Virginia Mrs	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Ng Scott	NYNEX Information Resource Company
	Nova Christian	NYNEX Information Resource Company
	Popiel E	NYNEX Information Resource Company
	Trinidad Andres	NYNEX Information Resource Company
	Vankeuren Kirsten	NYNEX Information Resource Company
1983	Mendoza Amoldo	New York Telephone
1976	Hager Stephen	New York Telephone
1970	Almodovar Mirtha	New York Telephone
	Dominguez Jose	New York Telephone
	Hager Stephen	New York Telephone
	Martinez Virginia Mrs	New York Telephone
	Morales Crisostomo	New York Telephone
1967	Dominguez Jose	New York Telephone
	Fries John A	New York Telephone
	Holbrook Chas E	New York Telephone
	Rodriguez Ramon	New York Telephone
1962	Caldicott Florence	New York Telephone Directory
	Dominguez Jose	New York Telephone Directory
	Fries John A	New York Telephone Directory
	Lo Presti Giuseppe	New York Telephone Directory
	Ramirez Carmen	New York Telephone Directory
	Santana Jose	New York Telephone Directory
	Stanisci Jos J	New York Telephone Directory
1934	Bodeker Otto Susan lab	R. L. Polk & Co.
	Brady Peter J porter	R. L. Polk & Co.
	Cook Alex sarah Ironwkr	R. L. Polk & Co.
	Devlin John J lab	R. L. Polk & Co.
	Fowler John Eleanor handymn	R. L. Polk & Co.
	Gaffney Patk J Agnes lab	R. L. Polk & Co.
	Halloran Michl A ct atndt	R. L. Polk & Co.
	Hayes Lillian	R. L. Polk & Co.
	Hayes Patk J Delia police	R. L. Polk & Co.
	Kyne Timothy Delia hlpr Dept Sanita	R. L. Polk & Co.
	Kyne Timothy seamn	R. L. Polk & Co.
	Lynch Thos fcty wkr	R. L. Polk & Co.
	Mc Shane Peter Rose lab	R. L. Polk & Co.
	Murray Hugh Rowena gas atndt Mhn	R. L. Polk & Co.
	Pathe Jas J Delia lab	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Robidoux Edw Stella show opr	R. L. Polk & Co.
	Smith Thos Mary supvr	R. L. Polk & Co.
	Sullivan Cornelius Margt blksmith	R. L. Polk & Co.
	Turner Howard capper	R. L. Polk & Co.
	Turner John sta eng	R. L. Polk & Co.
	Turner Jos Jennie lab	R. L. Polk & Co.
	Turner Jos jr auto mech	R. L. Polk & Co.

1136 44TH DR

Year	Uses	Source
2008	FANCY PLUS SIZE DRESSES	Cole Information Services
2005	Muti Unit Address	Hill-Donnelly Information Services
	Numbr 10 h Bedoya Henry v	Hill-Donnelly Information Services
	Chavero Jorge	Hill-Donnelly Information Services
	Numbr 7 h Oiff Obrd Leonora A	Hill-Donnelly Information Services
	Fancy Plus Size Dresses	Hill-Donnelly Information Services
	Numbr 1 Knapp Daniel v	Hill-Donnelly Information Services
	Numbr 8 h Perez Dionicao 00 718 786 9794 a	Hill-Donnelly Information Services
	Numbr 13 h Perez Frandsca	Hill-Donnelly Information Services
	Pope Brielle v	Hill-Donnelly Information Services
	Numbr 5 h Quintero Luis A	Hill-Donnelly Information Services
2000	Apartments Henry Bedoya Jr	Cole Information Services
	Hugo Bravo	Cole Information Services
	Bertha Carlin	Cole Information Services
1991	Carlin Bertha	NYNEX Information Resource Company
	Arocho Argentina	NYNEX Information Resource Company
	Bedoya Henry	NYNEX Information Resource Company
	Chaux Luis Alberto	NYNEX Information Resource Company
	Clifford Leonora	NYNEX Information Resource Company
	De Leon Jose	NYNEX Information Resource Company
	Mulholland Julia	NYNEX Information Resource Company
	Perez Dionicio	NYNEX Information Resource Company
1983	Carlin Bertha	New York Telephone
	Mulholland Julia Mrs	New York Telephone
1976	Ayala Marcelo	New York Telephone
	Carlin Bertha	New York Telephone
	Cruz Luis	New York Telephone
	Domenech Rosa	New York Telephone

FINDINGS

Year	Uses	Source
1976	Estrella F	New York Telephone
1970	Carlin Benna	New York Telephone
	Domenech Rosa	New York Telephone
	Medina Guillermo	New York Telephone
	Mulholland Julia Mrs	New York Telephone
	Munoz Gerardo	New York Telephone
	Rosado Josefa	New York Telephone
1967	Almirall Bartolo	New York Telephone
	Boghosian Sara	New York Telephone
	Carlin Bertha	New York Telephone
	de losSantos Pedro	New York Telephone
	Domenech Rosa	New York Telephone
	Griffin Desnsond	New York Telephone
	Hager Stephen	New York Telephone
	Landusky Frank	New York Telephone
	Mulholland Julia Mrs	New York Telephone
	Sarbak Chester	New York Telephone
	Weser Lena Mrs	New York Telephone
1962	Barbagallo Alfio	New York Telephone Directory
	Boghosiats Chas	New York Telephone Directory
	Boghosian Sara	New York Telephone Directory
	Carlin Bertha	New York Telephone Directory
	Franqui Jose	New York Telephone Directory
	Hager Stephens	New York Telephone Directory
	Mills Maureen	New York Telephone Directory
	Pabon Alice	New York Telephone Directory
	Pereira Frank	New York Telephone Directory
	Wellstood Jas C	New York Telephone Directory
	Weser Lena Mrs	New York Telephone Directory
1945	Barone Anthony	New York Telephone
1939	Synek Jerry	New York Telephone Company
1934	Beaton Wm Helen carp	R. L. Polk & Co.
	Brown Thos lab	R. L. Polk & Co.
	Devyer R eng Bonefide Cleaning & Dyeing Inc	R. L. Polk & Co.
	Dwyer Robt Margt eng	R. L. Polk & Co.
	Garvey Nora wid Owen dom	R. L. Polk & Co.
	Kimmel Meyer Mary shoe opr	R. L. Polk & Co.
	Ladisa Frank Laura printer	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Lebedeff Alex pntr	R. L. Polk & Co.
	Lebedeff Nicholas elev opr	R. L. Polk & Co.
	Loughlin John Margt brakemn	R. L. Polk & Co.
	Luongn Michl Mildred lab	R. L. Polk & Co.
	Mc Guire John Amelia bus driver	R. L. Polk & Co.
	Raymond Geo Ethel restr mgr	R. L. Polk & Co.
	Vazquez Cecilia Mrs	R. L. Polk & Co.
	Vazquez Louis Andrew J presser	R. L. Polk & Co.
	Wepner Wm H Anna police	R. L. Polk & Co.
	Carlin John Bertha hlpr	R. L. Polk & Co.

1138 44TH DR

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 12 h Arias Jose Luis 7 718 472 4983 oo	Hill-Donnelly Information Services
	Numbr 6 h Connors Tracy	Hill-Donnelly Information Services
	Numbr 12 Di Masi Marietta AV	Hill-Donnelly Information Services
	Numbr 5 h Duran Rina	Hill-Donnelly Information Services
	Espina Tinia	Hill-Donnelly Information Services
	Numbr 2 h Holbrook Craig	Hill-Donnelly Information Services
	Juan Emigdio v	Hill-Donnelly Information Services
	Numbr 10 h Lara Oscar	Hill-Donnelly Information Services
	Numbr 16 h Pena Juan v 718 784 8239 00oo	Hill-Donnelly Information Services
	h Peraza Francsca v	Hill-Donnelly Information Services
2000	Apartments Abraham Almodovar	Cole Information Services
	Jose L Arias	Cole Information Services
	Jose Charrez	Cole Information Services
	Marietta Dimasi	Cole Information Services
	Hal Holbrook	Cole Information Services
	Oscar Lar	Cole Information Services
	Francisca Peraz	Cole Information Services
	Angela Rodriguez	Cole Information Services
1991	Cardona Luz Amparo	NYNEX Information Resource Company
	Buckley Sandra	NYNEX Information Resource Company
	Creighton Jennifer	NYNEX Information Resource Company
	Di Masi Joseph Jr	NYNEX Information Resource Company
	Frierson John	NYNEX Information Resource Company
	Heffernan Margaret	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Hobrook Harold	NYNEX Information Resource Company
	Hoiwrook Limousines	NYNEX Information Resource Company
	Lara Oscar	NYNEX Information Resource Company
	Rave Gladys	NYNEX Information Resource Company
	Vasquez Luciana	NYNEX Information Resource Company
1983	Di Masi Joseph Jr	New York Telephone
	Holbrook Limousines	New York Telephone
	Mason Victor	New York Telephone
	Sendzik Edw	New York Telephone
	Stanisci A J	New York Telephone
	Telesca Marie	New York Telephone
	Santillan Sixto	New York Telephone
1976	Di Masi R B	New York Telephone
1970	Cannizzo Rose	New York Telephone
	Guglielmi Thos	New York Telephone
	Holbrook Harold	New York Telephone
	Ricotta Peter	New York Telephone
	Schmidt John	New York Telephone
	Tarsitano Napoleone	New York Telephone
	Telesca Frank	New York Telephone
1967	Eberl Herbert	New York Telephone
	Gil Cesarlo	New York Telephone
	Guglielmi Thos	New York Telephone
	Holbrook Harold	New York Telephone
	Lisa Rose Mrs	New York Telephone
	Petarban Jullio	New York Telephone
	Rico Frank J	New York Telephone
	Ricotta Peter	New York Telephone
	Telesca Frank	New York Telephone
1962	Barone Anthony	New York Telephone Directory
	Brown E J	New York Telephone Directory
	DiMasi Jos V	New York Telephone Directory
	Gil Cesario	New York Telephone Directory
	Guglielmi Thos	New York Telephone Directory
	Rico Frank J	New York Telephone Directory
	Sendzik Edw	New York Telephone Directory
	Shchurko Waiter	New York Telephone Directory
	Stanisci A J	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Telesca Frank	New York Telephone Directory
1945	Asen A Mrs	New York Telephone
	Schwartz Ignatz	New York Telephone
	Walsh May V	New York Telephone
1939	Schwartz Ignatz	New York Telephone Company
1934	Blessinger Adelaide Mrs waitress	R. L. Polk & Co.
	Brodsky Nathan Kate pntr	R. L. Polk & Co.
	Deutsch Julia	R. L. Polk & Co.
	Fichtel Jos kitchenmn	R. L. Polk & Co.
	Gablenz Minnie wid Wm	R. L. Polk & Co.
	Hodi Alex Hermina carp	R. L. Polk & Co.
	Hodi Lanzo chauf	R. L. Polk & Co.
	Mc Neil Alex Mary carp	R. L. Polk & Co.
	Mc Neil John Cath lab	R. L. Polk & Co.
	Palumbo Anthony Margt chauf Mhn	R. L. Polk & Co.
	Palumbo Jos chauf Mhn	R. L. Polk & Co.
	Reid John P Eva M carp	R. L. Polk & Co.
	Rubino Geo Mary bldg supt	R. L. Polk & Co.
	Schwartz Ignatz Anna mech	R. L. Polk & Co.
	Schwartz Isidor Gertrude confr	R. L. Polk & Co.
	Tepesco Frank Susan chauf	R. L. Polk & Co.
	Wagner Jos Mary waiter	R. L. Polk & Co.
	Hodi Mary actress	R. L. Polk & Co.

1140 44TH DR

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	h Allaico Segundo	Hill-Donnelly Information Services
	Numbr 14 h Aragon Salome 0v	Hill-Donnelly Information Services
	Bayron I A	Hill-Donnelly Information Services
	Galvez 3orge Najera	Hill-Donnelly Information Services
	Numbr 2 h Heyliger Maria AV	Hill-Donnelly Information Services
	Maynato Maria	Hill-Donnelly Information Services
	Perez Felino	Hill-Donnelly Information Services
	Tirado Luzdary	Hill-Donnelly Information Services
	Numbr 6 h Viveros Maria AV 718 392 0896 as	Hill-Donnelly Information Services
2000	Apartments Segundo Allaico	Cole Information Services
	Salome Aragon	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Jezreel Arias	Cole Information Services
	Jorge N Galvez	Cole Information Services
	Maria Heyliger	Cole Information Services
	Felino Perez	Cole Information Services
	Nilufa Shirin	Cole Information Services
	Gustavo Vicente	Cole Information Services
1991	Mejia Juan Manuel	NYNEX Information Resource Company
	Mercado Domingo	NYNEX Information Resource Company
	Murillo Jose	NYNEX Information Resource Company
	Perez Felino	NYNEX Information Resource Company
	Price William	NYNEX Information Resource Company
	Ramsingh Harry	NYNEX Information Resource Company
	Richards I	NYNEX Information Resource Company
	Vicente Gustavo	NYNEX Information Resource Company
	Viveros Maria	NYNEX Information Resource Company
	Aragon Rosalina	NYNEX Information Resource Company
	Cruz Grisel	NYNEX Information Resource Company
	Garcia Francisco	NYNEX Information Resource Company
1983	Cabreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
	Mencia D	New York Telephone
	Richards I	New York Telephone
	Singh J	New York Telephone
	Villaman Pablo	New York Telephone
1976	Cadreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
1970	Cadreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
	Lebron Ramon	New York Telephone
	McNeil Alexndr	New York Telephone
	Suarez Melba	New York Telephone
	Villaman Pablo	New York Telephone
	Vincente Gustavo	New York Telephone
1967	Baez Carlos	New York Telephone
	Garcia Francisco	New York Telephone

FINDINGS

Year	Uses	Source
1967	Lara Altagracia	New York Telephone
	Lardo Mrs A	New York Telephone
	McNeil Alexndr	New York Telephone
	Pagan Jaime	New York Telephone
	Torres Josephine	New York Telephone
	Vazquez Bertha	New York Telephone
	Vincente Gustavo	New York Telephone
1962	Almodovar Damaso	New York Telephone Directory
	Arico Jos J	New York Telephone Directory
	Lardo Catherine Mrs	New York Telephone Directory
	LeBron Ramon	New York Telephone Directory
	McNeil Alexedr	New York Telephone Directory
	Montalvo Georgina	New York Telephone Directory
	Rodriguez Antonia	New York Telephone Directory
	Rodriguez Mario	New York Telephone Directory
	Vitulano Jos	New York Telephone Directory
1945	Pinckard Jas J	New York Telephone
1934	Adler Max Adell clk Mhn	R. L. Polk & Co.
	Babachikos John Bertha countermn	R. L. Polk & Co.
	Domanski Frank Mary pkr	R. L. Polk & Co.
	Harms Lloyd Lena mariner	R. L. Polk & Co.
	Hodi Frank Sylvia tester	R. L. Polk & Co.
	Kaiser Wilbur Lillian auto mech	R. L. Polk & Co.
	Loucopulos Theo Theo Countermn	R. L. Polk & Co.
	Malanga Geraldine clk	R. L. Polk & Co.
	Malanga Lena sten	R. L. Polk & Co.
	Malanga Michl Elizabeth	R. L. Polk & Co.
	Mantis Anthony Christina lab	R. L. Polk & Co.
	Mantis Theo Mary	R. L. Polk & Co.
	Monroe Jas Genevieve carp	R. L. Polk & Co.
	Schwartz Goldie	R. L. Polk & Co.
	Schwartz Harry Jenny confr	R. L. Polk & Co.
	Sheldon Franics Pauline chauf	R. L. Polk & Co.
	Smith Harrlet wid Wm bldg supt	R. L. Polk & Co.
	Solamono Benj Angelina lab	R. L. Polk & Co.
	Weissman Sidney Blanche cloaks	R. L. Polk & Co.

FINDINGS

1142 44TH DR

Year	*Uses*	*Source*
2008	MOONRISING HOUSE EVENT	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 3 h Almodovar Milagros AV	Hill-Donnelly Information Services
	Bidault Thierry y	Hill-Donnelly Information Services
	h Cutti A AV	Hill-Donnelly Information Services
	Numbr 2 h Hernandez Mary	Hill-Donnelly Information Services
	Numbr 6 h Javier M v	Hill-Donnelly Information Services
	Numbr 15 h Lopez Mildred A	Hill-Donnelly Information Services
	Numbr 11 h Ofa Cario	Hill-Donnelly Information Services
	Numbr 5 Starfield Marl A	Hill-Donnelly Information Services
	Tagulam Herminio	Hill-Donnelly Information Services
2000	Apartments Mirlagros Almodovar	Cole Information Services
	Jimmy Espinal	Cole Information Services
	Thao Lam	Cole Information Services
	M Lopen	Cole Information Services
	Mildred Lopez	Cole Information Services
	Sherry L Martinez	Cole Information Services
	Carlo O	Cole Information Services
	Miguel A Pomares	Cole Information Services
	Mana Rojas	Cole Information Services
	Carlos Villegas	Cole Information Services
1991	Guzman Leon	NYNEX Information Resource Company
	Pichordo J	NYNEX Information Resource Company
	Rodriguez Antonia	NYNEX Information Resource Company
	Attoinese D	NYNEX Information Resource Company
1983	Gonzalez D	New York Telephone
	Lopez Rafael	New York Telephone
	Nunez R	New York Telephone
	Ortega Jairo	New York Telephone
	Rios Rafael Eduardo	New York Telephone
	Rodriguez Antonia	New York Telephone
1976	Arce Hilario	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone
1970	Almodovar Mary	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone

FINDINGS

Year	Uses	Source
1970	Garcia Fausto	New York Telephone
	Osorio Carlos A	New York Telephone
	Rodriguez Antonio	New York Telephone
	Tecsidor John T	New York Telephone
1967	Almodovar Irene	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone
	Leon Herminco Rodriquez	New York Telephone
	Rodriguez Antonia	New York Telephone
	Torres Julia	New York Telephone
1962	Almodovar Juan S	New York Telephone Directory
	Arenas Thos	New York Telephone Directory
	Carlo Jose	New York Telephone Directory
	Gonzalez Juan	New York Telephone Directory
	Leon Herminco Rodriquez	New York Telephone Directory
	Ortiz Encarnacion	New York Telephone Directory
	Palazzolo Leonard	New York Telephone Directory
	Suarez Maria	New York Telephone Directory
	Trochelman Anna	New York Telephone Directory
	Vazquez Noel	New York Telephone Directory
1945	Anthony Georgette	New York Telephone
	Weissman Sidney	New York Telephone
1934	Eicholz Wm Emily chef	R. L. Polk & Co.
	Fresco Emanuel J Leah milkmn	R. L. Polk & Co.
	Gelpi John Bertha lndrymn	R. L. Polk & Co.
	Green Saml Rose clk	R. L. Polk & Co.
	Jeanopolo Peter Helen bootblk	R. L. Polk & Co.
	Kelly Patk Deliah wtchmn	R. L. Polk & Co.
	Lieari May bkbndr	R. L. Polk & Co.
	Lieari Rose clk	R. L. Polk & Co.
	Lieari Sol slsmn	R. L. Polk & Co.
	Nicholas Christo Sophie counteramn	R. L. Polk & Co.
	Nicholos Christian Sophie lab	R. L. Polk & Co.
	ODonnell Peter Margt mach	R. L. Polk & Co.
	Pappas Gerna Helen barber	R. L. Polk & Co.
	Pecorino Jas eng	R. L. Polk & Co.
	Pecorino Josephine bkpr Mhn	R. L. Polk & Co.
	Smusz Frank Dora countermn	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Vitulano Margt wid Frank	R. L. Polk & Co.
	Bnai Israel Saml Bassow pastor	R. L. Polk & Co.
	Casdro Alf cigarmkr	R. L. Polk & Co.
	Colbert Jos Mary inspr	R. L. Polk & Co.
	De Alto Josephine filler	R. L. Polk & Co.
	Zutoss Thos countermn	R. L. Polk & Co.
	Louizzo Angelo printer	R. L. Polk & Co.

1144 44TH DR

Year	Uses	Source
2005	h Blanco Abel	Hill-Donnelly Information Services
	Borsuk E v	Hill-Donnelly Information Services
	Hervleux A	Hill-Donnelly Information Services
	Leal Domingo	Hill-Donnelly Information Services
	Stokes Van	Hill-Donnelly Information Services
2000	Apartments Roberto Bede	Cole Information Services
	Abel Blanco	Cole Information Services
	Eric Generes	Cole Information Services
	A Hervieux	Cole Information Services
	Maki Hiragushi	Cole Information Services
	Karen Landusky	Cole Information Services
	Manano Leal	Cole Information Services
	Emily Mattocks	Cole Information Services
	Albert Mowatt	Cole Information Services
	Adrian Perez	Cole Information Services
	Ahira Rosario	Cole Information Services
1991	Almodovar M	NYNEX Information Resource Company
	Castillo Anilda	NYNEX Information Resource Company
	Daroqui Manuel A	NYNEX Information Resource Company
	Ibrahim E	NYNEX Information Resource Company
	Rodriguez Joseph	NYNEX Information Resource Company
	Rosario Ahira	NYNEX Information Resource Company
1983	Castillo Awilda	New York Telephone
	Daroqui Manuel A	New York Telephone
	Landusky A	New York Telephone
	Rosario Leonara	New York Telephone
1976	Conte Angelo	New York Telephone
	Daroqui Manuel A	New York Telephone
1970	Griffin Helen C RN	New York Telephone

FINDINGS

Year	Uses	Source
1970	Pantoja Marco	New York Telephone
	Quinones Ahira	New York Telephone
	Sadrakula Edw A	New York Telephone
	Concepcion Raimunao	New York Telephone
	Conte Angelo	New York Telephone
	Daroqui Manuel A	New York Telephone
1967	Concepcion Raimundo	New York Telephone
	Conte Angelo	New York Telephone
	Daroqui Manuel A	New York Telephone
	Echevarria Jose	New York Telephone
	Griffin Helen C RN	New York Telephone
	Howe Dorothy	New York Telephone
	Perez Geo L	New York Telephone
	Sadrakula Edw A	New York Telephone
1962	Baker Agnes Mrs	New York Telephone Directory
	Conte Angelo	New York Telephone Directory
	Czyz Cecilia Mrs	New York Telephone Directory
	Dempster B W	New York Telephone Directory
	Perez Geo L	New York Telephone Directory
	Rivera Agustin	New York Telephone Directory
	Sadrakula Edw A	New York Telephone Directory
1939	Klippel Zelda	New York Telephone Company
1934	Alegrett Louise wid Peter	R. L. Polk & Co.
	Boghosian Harry Susan shipper	R. L. Polk & Co.
	Bogoshian Michl Rose shoewkr	R. L. Polk & Co.
	Casey Fredk Nettie chauf	R. L. Polk & Co.
	Cois Geo Anna harber	R. L. Polk & Co.
	Fresco Leon clk	R. L. Polk & Co.
	Kerr Ellen wid Michl	R. L. Polk & Co.
	Koustas Harry Helen pdlr	R. L. Polk & Co.
	Mateos Andrew Donita dyer	R. L. Polk & Co.
	Nitsos Jas Aglaia waiter	R. L. Polk & Co.
	Prado Jesus Emma elev opr	R. L. Polk & Co.
	Ricopoulos Edw Mary countermn	R. L. Polk & Co.
	Roura wid Cresory	R. L. Polk & Co.
	Santana Carmen Mrs	R. L. Polk & Co.
	Santiago Thos photog	R. L. Polk & Co.
	Vazquez John Frances waiter	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Werley Warren Anna auto mech	R. L. Polk & Co.

1145 44TH DR

Year	Uses	Source
1991	Package Express Substlatian	NYNEX Information Resource Company

1146 44TH DR

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Areeckal Rejee Y	Hill-Donnelly Information Services
	Beltram Besty v	Hill-Donnelly Information Services
	Numbr 14h Ortiz Aguedo AV	Hill-Donnelly Information Services
	Numbr 1 h Pichordo Jeaneth	Hill-Donnelly Information Services
	Numbr 8 h Prats Cella Ao	Hill-Donnelly Information Services
	Numbr 4 h Prats Orestes AV	Hill-Donnelly Information Services
	Viveros Inez	Hill-Donnelly Information Services
	Numbr 10 h Viveros Melba A	Hill-Donnelly Information Services
2000	Esthercila Beltran	Cole Information Services
	Rosa Gon	Cole Information Services
	Aguedo Ortiz	Cole Information Services
	Jeaneth Pichordo	Cole Information Services
	Celia Prats	Cole Information Services
	Orestes Prats	Cole Information Services
	I Ward	Cole Information Services
1991	Acevedo M R	NYNEX Information Resource Company
	Chaux Luz Estela	NYNEX Information Resource Company
	Delacruz Francisco	NYNEX Information Resource Company
	Kelly Charles	NYNEX Information Resource Company
	Leon Patricia	NYNEX Information Resource Company
	Ortiz E	NYNEX Information Resource Company
	Zapa Ines	NYNEX Information Resource Company
1983	Acevedo Victoria R	New York Telephone
	Acevedo M R	New York Telephone
	Alves Evanir	New York Telephone
	Ferreira Nair	New York Telephone
	Jose Marcos	New York Telephone
	Ortiz E	New York Telephone
	Rojas Feliz	New York Telephone
	Serna Emma	New York Telephone

FINDINGS

Year	Uses	Source
1976	Gutiere Juan	New York Telephone
	Jose Marcos	New York Telephone
	Acevedo Esteban	New York Telephone
	Camargo Elena	New York Telephone
	Cortes Crisanto	New York Telephone
	Gonzales Isabel	New York Telephone
1970	Amores Robt	New York Telephone
	Camargo Hector	New York Telephone
	Camargo Luis G	New York Telephone
	Diamanti Delfina	New York Telephone
	Judge Jas	New York Telephone
	Legere Chas	New York Telephone
	Mier Leyda	New York Telephone
	Ruiz Narciso	New York Telephone
	Valdes Nilda	New York Telephone
1967	Amores Robt	New York Telephone
	Diamanti Delfina	New York Telephone
	Holec Anthony	New York Telephone
	Judge Jas	New York Telephone
	Legere Chas	New York Telephone
	Ruiz Narciso	New York Telephone
	Sorell Celestino	New York Telephone
	Sweeney Timothy	New York Telephone
1962	Brown Edmund G	New York Telephone Directory
	Diamanti Delfina	New York Telephone Directory
	Holec Anthony	New York Telephone Directory
	Judge Jas	New York Telephone Directory
	Legere Chas	New York Telephone Directory
	Malizia Carmela Mrs	New York Telephone Directory
	Pachmann Mary Mrs	New York Telephone Directory
	Rhodes Robt	New York Telephone Directory
	Rosa Maximina Mrs	New York Telephone Directory
	Sweeney Timothy	New York Telephone Directory
	Vitulano Patk	New York Telephone Directory
	Wanchew John	New York Telephone Directory
1939	Fladd Eliz Mrs	New York Telephone Company
1934	Meehan Jas asmblr	R. L. Polk & Co.
	Pagliuca Jas lab	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Arabadjis Philip Valenzia coutermn	R. L. Polk & Co.
	Axiotis Harry N Anna chef	R. L. Polk & Co.
	Boulange Pauline dom	R. L. Polk & Co.
	Tahatigis Cahs Mary restr	R. L. Polk & Co.
	Toste Jos chemist	R. L. Polk & Co.
	Toulas Michl Anna pdlr	R. L. Polk & Co.
	De Lucca Henry Clara butcher Mhn	R. L. Polk & Co.
	Fotopoulos Constatine Mary pntr	R. L. Polk & Co.
	Geralis Peter Lucy lab	R. L. Polk & Co.
	Guardiano Michaelis Cath phtr	R. L. Polk & Co.
	Kledas Peter Mary waiter	R. L. Polk & Co.
	Korniaktus Gregory Martha meat ctr	R. L. Polk & Co.
	Kydes Hercules Theresa pntr	R. L. Polk & Co.
	Kydes Richd lifrguard	R. L. Polk & Co.

1148 44TH DR

Year	Uses	Source
2008	GIOVANNI IMPORTS EXPORTS CAR REPAIR	Cole Information Services
	GIANNIS AUTO WORLD INC	Cole Information Services
2005	Giannis Auto World Inc Is	Hill-Donnelly Information Services
2000	Giannis At Wid Inc	Cole Information Services
1991	Empire State Telecom Corp	NYNEX Information Resource Company
1983	Com Equip Corp	New York Telephone
1976	Dryden & Palmer Inc	New York Telephone
	Gravymaster Co Inc	New York Telephone
1970	Gravymaster Co Inc	New York Telephone
	Dryden & Palmer Inc	New York Telephone
1967	Gravymaster Co Inc	New York Telephone
	Dryden & Palmer Inc	New York Telephone
1934	Long Mary A wid Chas	R. L. Polk & Co.
	Serrano Danl Rose baker	R. L. Polk & Co.
	Rivelli Jas Rose shoes Bx	R. L. Polk & Co.
	Rashkoff Benj Sophie hlpr Mhn	R. L. Polk & Co.
	Adams Arth Anna toolmkr	R. L. Polk & Co.
	Baginski John shoe opr	R. L. Polk & Co.
	Chamberlain Walter F Alice pile driving	R. L. Polk & Co.
	Choiko Jos I Mary agt	R. L. Polk & Co.
	Costa Anna Mrs	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Damlis Gregory Angelina barber	R. L. Polk & Co.
	Damlis Olga Wid Harry	R. L. Polk & Co.
	Guzman Adolph cigars	R. L. Polk & Co.
	Henderson John Ella reprmn	R. L. Polk & Co.
	Lopez Gerard Anna clnr mhn	R. L. Polk & Co.
	Meechan Carey	R. L. Polk & Co.
	Meehan Edw Mary bldg supt	R. L. Polk & Co.
	Noury Francis lab	R. L. Polk & Co.

1149 44TH DR

Year	Uses	Source
2005	Fifty Seventh Street Mgmt	Hill-Donnelly Information Services
	Madallion Financial Inc I F	Hill-Donnelly Information Services
2000	Fifty 7th St Mgmt	Cole Information Services
	Irene Lo	Cole Information Services
	Fifty Seventh St	Cole Information Services

1151 44TH DR

Year	Uses	Source
2005	h Cannarella M v	Hill-Donnelly Information Services
	Nicholson James	Hill-Donnelly Information Services
	h Nicholson Shan Ao	Hill-Donnelly Information Services
2000	Patrick S Mc Clone	Cole Information Services
	Shan Nicholson	Cole Information Services
	Shan Nicholson	Cole Information Services
1991	Davis B	NYNEX Information Resource Company
	Bitterman Brooks	NYNEX Information Resource Company
	Hardin P	NYNEX Information Resource Company
	Nicholson Peter	NYNEX Information Resource Company
	Schmidt Timothy	NYNEX Information Resource Company
1983	Nicholson Peter & Kalina	New York Telephone
	Soto Vicente R	New York Telephone
1976	Dimensional Graphics Conec	New York Telephone
	Kress T	New York Telephone
1970	Kress T	New York Telephone
1967	Corio Dominick J	New York Telephone
	Kress T	New York Telephone
	Smith Edith	New York Telephone
1962	Corio Dominick J	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Malizia Mark A	New York Telephone Directory
	Mehnert Gwen	New York Telephone Directory
	Smith Edith	New York Telephone Directory
1945	Perrenod Chas	New York Telephone
1939	Mehnert Sidney	New York Telephone Company
1934	Cappelli Umbert Rose cook	R. L. Polk & Co.
	Dilbeck Eleanor sten Mhn	R. L. Polk & Co.
	Kress Arth bkpr	R. L. Polk & Co.
	Kress Evelyn sten Copeland Refrigeration Co	R. L. Polk & Co.
	Kress Theophile wid Wm	R. L. Polk & Co.
	Schaeider Edith sten	R. L. Polk & Co.
	Schaeider Frank Alida autp mech	R. L. Polk & Co.
	Schneider Raymond	R. L. Polk & Co.

1152 44TH DR

Year	Uses	Source
2013	INKKEEPERS CORP	Cole Information Services
	HYLEE ELECTRIC CO INC	Cole Information Services
2008	LONG ISLAND CITY WHOLESALE FLORISTS	Cole Information Services
	HYLEE ELECTRIC CO INC	Cole Information Services
	INK KEEPERS CORP	Cole Information Services
2005	Hylee Electric Co Inc	Hill-Donnelly Information Services
	Inkkeepers Corp	Hill-Donnelly Information Services
2000	Lite N Air Indstrs	Cole Information Services
	Swift Air Corp	Cole Information Services
1991	Natural Source The	NYNEX Information Resource Company
	Long Island City Wholesale Inc	NYNEX Information Resource Company
1983	Long Island City Wholesale Florists Inc	New York Telephone
	LONG ISLAND CITY WHOLESALE INC	New York Telephone
	Long Island College Hosp Henry & Pacif @Brooklyn@	New York Telephone
	South Flower Mkt	New York Telephone
	SOUTHFLOWER MKT HOME DELIVERY SVCE	New York Telephone

1153 44TH DR

Year	Uses	Source
2005	Gonzalez Ruth A	Hill-Donnelly Information Services
	Mendoza Carmelito Jr	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	h Schilling Wemer H AV	Hill-Donnelly Information Services
	h Zemana Gloria	Hill-Donnelly Information Services
	Zemana Natlvidad AV	Hill-Donnelly Information Services
2000	Ruth Gonzalez	Cole Information Services
	Perfecto Pizarro	Cole Information Services
	Wemer H Schilling	Cole Information Services
	Glona Zemana	Cole Information Services
	Natividad Zeman	Cole Information Services
1991	Zemana Glazen	NYNEX Information Resource Company
	Zemana Natividad	NYNEX Information Resource Company
	Almiranez Prajedo	NYNEX Information Resource Company
	Almiron A	NYNEX Information Resource Company
	Gonzalez Ruth	NYNEX Information Resource Company
	Schilling Werner H	NYNEX Information Resource Company
	Zemana Natividad	NYNEX Information Resource Company
1983	Bigarnia Mimi	New York Telephone
	De Jesus Remedios V	New York Telephone
	Gonzalez Gilberto Rojas	New York Telephone
	Gonzalez R	New York Telephone
	Schilling Werner H	New York Telephone
	Zemana G	New York Telephone
1976	Buenviaje Emmanuel D	New York Telephone
1970	Picicci William Jr	New York Telephone
1967	Ross Basil C	New York Telephone
	Tajima Shingo	New York Telephone
1945	Ross Basil C	New York Telephone
1934	Schuh Emily wid Wm	R. L. Polk & Co.
	Hafford Thos A asst eng B Pres	R. L. Polk & Co.
	Kelly Frances clk	R. L. Polk & Co.
	Kelly John J Margt	R. L. Polk & Co.
	Kelly Margt sten	R. L. Polk & Co.
	Kelly Stella sten	R. L. Polk & Co.

1154 44TH DR

Year	Uses	Source
1976	Hepp Jim b	New York Telephone
1970	Lesjay Co	New York Telephone
	Lesjay Models	New York Telephone
	Hepp Jim b	New York Telephone

FINDINGS

Year	Uses	Source
1962	Barling Housing Corp	New York Telephone Directory
	Bo Craft Enterprises Inc	New York Telephone Directory
	Slider Co of America	New York Telephone Directory

1156 44TH DR

Year	Uses	Source
1934	Spagnulo Jos Helen barber	R. L. Polk & Co.

1157 44TH DR

Year	Uses	Source
2013	MEERA ENTERPRISE INC	Cole Information Services
2008	MEERA ENTERPRISE	Cole Information Services
2005	Meera Enterprise Inc I	Hill-Donnelly Information Services
2000	21ST ST INTS FROM	Cole Information Services
	Dipti Deli Corp	Cole Information Services
1991	Epicure Delctsn Shop	NYNEX Information Resource Company
1983	Epicure Delctsn Shop	New York Telephone
1976	Epicure Delctsn Shop	New York Telephone
1970	Epicure Delctsn Shop	New York Telephone
1967	Epicure Delctsn Shop	New York Telephone
1962	Epicure Delctsn Shop	New York Telephone Directory
1945	Epicure Delctsn Shop	New York Telephone
1939	Epicure Delctsn Shop	New York Telephone Company

1186 44TH DR

Year	Uses	Source
1934	Ruiz Juana wid Roffe	R. L. Polk & Co.

1188 44TH DR

Year	Uses	Source
1934	Cera Fred Carmine mattresmkr	R. L. Polk & Co.

1234 44TH DR

Year	Uses	Source
1962	Lucente Angelo	New York Telephone Directory

1238 44TH DR

Year	Uses	Source
1991	Mason Victor	NYNEX Information Resource Company

FINDINGS

1444 44TH DR

Year	*Uses*	*Source*
1962	Daroqui Manuel A	New York Telephone Directory

1474 44TH DR

Year	*Uses*	*Source*
1983	Egan S	New York Telephone

1626 44TH DR

Year	*Uses*	*Source*
1962	Arrigo Arthur	New York Telephone Directory

44TH DR LONG ISLAND CITY DR

1142 44TH DR LONG ISLAND CITY DR

Year	*Uses*	*Source*
1934	Bassow Saml Rev Gertrude pastor Bnal Israel	R. L. Polk & Co.

45 S AVE

1155 45 S AVE

Year	*Uses*	*Source*
1991	Barreto C	NYNEX Information Resource Company

45TH

1458 45TH

Year	*Uses*	*Source*
1934	Goldstein Irving bkpr dept fin r	R. L. Polk Co.

45TH AVE

10-20 45TH AVE

Year	*Uses*	*Source*
1950	MAJESTIC MANNEQUIN & DISPLAY CO	New York Telephone
	ROLLER ENGRVNG CO INC	New York Telephone
	BOGGE EDW B	New York Telephone

10-27 45TH AVE

Year	*Uses*	*Source*
1950	MISSION DRY CORP SALES DENT	New York Telephone

Year	Uses	Source
1950	PLAZA BEVERAGE CO INC	New York Telephone
	MISSION ORANGE BOTTLING CO OF QUEENS	New York Telephone

10-35 45TH AVE

Year	Uses	Source
1950	PYROX CHEMCL CORP PAINT&VARNSH REMOVERS MFRS	New York Telephone
	CYCLO CHEMCL CORP	New York Telephone
	O & R SALES CO INC	New York Telephone

10-37 45TH AVE

Year	Uses	Source
1950	F B CASING CO	New York Telephone
	SUPERIOR KOSHER CASING CO	New York Telephone

10-40 45TH AVE

Year	Uses	Source
1950	JEWEL RADIO CORP	New York Telephone
	VANLEIGH FURN CO INC WAREHSE	New York Telephone

10-57 45TH AVE

Year	Uses	Source
1950	ATLAS PIPE RAILING CO INC	New York Telephone

1015 45TH AVE

Year	Uses	Source
2013	SOHO SNACK INC	Cole Information Services
	METERING SERVICES	Cole Information Services
2008	SOHO SNACK INC	Cole Information Services
2005	Soho Snack Inc	Hill-Donnelly Information Services
2000	Metering Services	Cole Information Services

1021 45TH AVE

Year	Uses	Source
2013	CERTIFIED ELEVATOR & ESCALTOR	Cole Information Services
	D A A B S ELECTRONICS CORPORATION	Cole Information Services
2008	DAABS ELECTRONICS INC	Cole Information Services
2005	Daabs Electronics Corp	Hill-Donnelly Information Services
2000	S Elctrncs	Cole Information Services
1983	Numano Int Inc	New York Telephone

FINDINGS

1025 45TH AVE

Year	Uses	Source
2008	PORT DISTRIBUTING CORP	Cole Information Services
1939	New & Used Equip Corp	New York Telephone Company

1027 45TH AVE

Year	Uses	Source
1991	K & K MERCHANDISING GROUP	NYNEX Information Resource Company
	Supra USA Inc	NYNEX Information Resource Company
1983	Interscan Ltd	New York Telephone
	Fauna Food Corp	New York Telephone

1028 45TH AVE

Year	Uses	Source
1970	Marrero Antonia P	New York Telephone

1034 45TH AVE

Year	Uses	Source
1976	Brewers Leasing Corp	New York Telephone
1970	Brewers Leasing Corp	New York Telephone

1035 45TH AVE

Year	Uses	Source
2013	WAREHOUSE SUPPLIES COMPANY	Cole Information Services
2008	VAN OWNERS PURCHASING BUREAU	Cole Information Services
	WAREHO UPPLIES CO INC	Cole Information Services
2005	Van Owners Purchasing Bureau	Hill-Donnelly Information Services
	Warehouse Supis Co	Hill-Donnelly Information Services
2000	Van Owners Prchng	Cole Information Services
	Vnwnrs Prchng Bur	Cole Information Services
	Warehouse Supls	Cole Information Services
1991	Warehouse Supls Co	NYNEX Information Resource Company
	Vanowners Purchasing Bur Inc	NYNEX Information Resource Company
	VAN OWNERS PURCHASING BUR INC	NYNEX Information Resource Company
1983	VAN OWNERS PURCHASING BUR INC	New York Telephone
	Warehouse Supls Co	New York Telephone
	Vanowners Purchasing Bur Inc	New York Telephone
1970	Warehouse Supls Co	New York Telephone
	Van Owners Purchasing Bur Inc	New York Telephone
1967	Warehouse Supls Co	New York Telephone
	Van Owners Purchasing Bur Inc	New York Telephone

FINDINGS

Year	Uses	Source
1962	Warehouse Supls Co	New York Telephone Directory
	Van Owners Purchasing Bur Inc	New York Telephone Directory
1945	Premier Prods Co mfg chemsts	New York Telephone
	O & R Sales Co Inc	New York Telephone
	Armo Bio Chemcl Corp	New York Telephone
1939	Premier Prods Co mfg chemsts	New York Telephone Company
	Pyrox Chemcl Corp mfg chemsts	New York Telephone Company
	Thrift Sales Corp	New York Telephone Company
1934	Metropolitan Sign & Glass Works RTN Henry Steinmetz Fredk Festner	R. L. Polk & Co.

1037 45TH AVE

Year	Uses	Source
1967	Walcamp Metal Prods Corp	New York Telephone
1962	FB Casing Co Inc	New York Telephone Directory
	Superior Kosher Casings	New York Telephone Directory
1945	Superior Kosher Casing Co	New York Telephone
	F B Caesing Co	New York Telephone
1939	Superior Kosher Casing Co	New York Telephone Company
	F B Casing Co	New York Telephone Company

1038 45TH AVE

Year	Uses	Source
2000	Rayston Svce Corp	Cole Information Services
1976	CONTINENTAL INSURANCE COMPANIES THE JFK Intrntnl Airpt @Jamaica@	New York Telephone
	CONTINENTAL INSURANCE COMPANIES THE La Guardia Airpt @Jamaica@	New York Telephone
	Continental Ideas Ltd	New York Telephone
1970	Holterbosch H D b	New York Telephone

1040 45TH AVE

Year	Uses	Source
2013	ALRUE IMPORT CORP	Cole Information Services
	END JEWELRY	Cole Information Services
	EMSIG	Cole Information Services
	MIDTOWN NEON SIGN CORP	Cole Information Services
	CLASSIC GEMS INCORPORATED	Cole Information Services
	AVISPL	Cole Information Services

FINDINGS

Year	Uses	Source
2013	WHOLESALE INC RISUKA	Cole Information Services
	JENMAR CORPORATION	Cole Information Services
	IPT NAME & DESIGN CORP	Cole Information Services
	RHONDA FEINMAN CUSTOM FRAMES INC	Cole Information Services
2008	ALRUE IMPORT CORP	Cole Information Services
	EMSIG	Cole Information Services
	ACME WEBBING CORP	Cole Information Services
	CLASSIC GEMS INC	Cole Information Services
	RHONDA FEINMAN CUSTOM FRAMES INC	Cole Information Services
	EMSIG MANUFACTURING CORP	Cole Information Services
	THE JOAN MICHLIN COLLECTION	Cole Information Services
	RENCO MFG INC	Cole Information Services
2005	Alrue Import Corp	Hill-Donnelly Information Services
	Emsig is	Hill-Donnelly Information Services
	Gladston Casting	Hill-Donnelly Information Services
	Maxim Holding i	Hill-Donnelly Information Services
	Rhonda Feinman Custom Frames	Hill-Donnelly Information Services
	Risuka Wholesale Inc	Hill-Donnelly Information Services
	h Rodriguez Purino	Hill-Donnelly Information Services
2000	ABC Jwlry Cast Crp	Cole Information Services
	Ace For Men	Cole Information Services
	Bnfcl Tchnlgs Inc	Cole Information Services
	Cntnatl Flair Inc	Cole Information Services
	Frooz Ltd	Cole Information Services
	Gladston Ca	Cole Information Services
	Joshuas Fa	Cole Information Services
	Palazzetti	Cole Information Services
	Plzztt Srg Furn	Cole Information Services
	State Nrrw	Cole Information Services
1991	ABC Jewelry Casting Corp	NYNEX Information Resource Company
	Beneficial Technologies Inc	NYNEX Information Resource Company
	Colini Handbags	NYNEX Information Resource Company
	Continental Flair Inc	NYNEX Information Resource Company
	Continental Florist Contnntl Av & Queens Blvd @Forest Hills@	NYNEX Information Resource Company
	Gladston Casting	NYNEX Information Resource Company
	Jennifers Fashion	NYNEX Information Resource Company
	Palazetti Sergio	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1983	Cardinal Blouse Inc	New York Telephone
	Carpi Knitting Mills Inc	New York Telephone
	Nor Jam Inc	New York Telephone
	Nordic Interior Inc	New York Telephone
	Peppermint Casuals Ltd	New York Telephone
1976	Carpi Knitting Mills Inc	New York Telephone
	Mainco Air Condltioning & Refrlgratn Corp	New York Telephone
	Mainco Contrctg Corp elec contrs	New York Telephone
	MAINTENANCE CO INC THE elect & elvtr reprs	New York Telephone
1970	FAIRCHILD RECORDING EQUIP CORP	New York Telephone
	Front Projection Corp	New York Telephone
	Mainca Air Conditioning & Refrigratn Corp	New York Telephone
	Mainco Contrctg Corp eltccontrs	New York Telephone
	Maintenance Coinc The elec & elvtr reprs	New York Telephone
1967	Genl Automotive Specialty Colnc	New York Telephone
	Mainco Air Conditioning & Refrigratn Corp	New York Telephone
	Mainco Contrctg Corp elec contrs	New York Telephone
	Maintenance Co Inc The elec & elvtr reprs	New York Telephone
	Fairchild Recording Equip Corp	New York Telephone
1962	FAIRCHILD RECORDING EQUIP CORP	New York Telephone Directory
	Genl Automotive Specialty Co Inc	New York Telephone Directory
	MAINCO AIR CONDITINING & REFRISRATN CORP	New York Telephone Directory
	MAINCO CONTROTG CORP elec contrs	New York Telephone Directory
	MAINTENANCE CO INC THE elec & elctr reprs	New York Telephone Directory
	Small Business Protctve Comm Inc	New York Telephone Directory

1041 45TH AVE

Year	Uses	Source
2013	CITY BAKING CORP	Cole Information Services
2008	WHOLESALE INC RISUKA	Cole Information Services
	MERCEDES LIMOUSINE	Cole Information Services
	E A TECHNOLOGIES INC	Cole Information Services
2005	MLS Limousine Svc	Hill-Donnelly Information Services
	Mercedes Limousine	Hill-Donnelly Information Services
	E A Technologies Inc P	Hill-Donnelly Information Services
2000	11TH ST INTS FROM	Cole Information Services
	Mercedes Limousine	Cole Information Services

FINDINGS

Year	Uses	Source
1991	Rayston Svce Corp	NYNEX Information Resource Company
1983	Campaniello Imports Warehouse	New York Telephone
1945	Weinberger Moving & Storage Co	New York Telephone
	Lemel Transptn Do	New York Telephone
1939	Rothbart Mack inc truknq	New York Telephone Company
	Rothbart Mack Inc truknq	New York Telephone Company
	Rothbart Mack Inc contrs	New York Telephone Company

1048 45TH AVE

Year	Uses	Source
1991	State Narrow Fabrics Inc	NYNEX Information Resource Company

1057 45TH AVE

Year	Uses	Source
1945	Atlas Pipe Railing Co Inc	New York Telephone

11-15 45TH AVE

Year	Uses	Source
1950	SCHOENIG CHAS A	New York Telephone
	SISTO MARIO P	New York Telephone
	VIERA DEOGRACIA S	New York Telephone
	WELCH MERTON W	New York Telephone
	WENIGER PAULA B	New York Telephone
	WOLF P J	New York Telephone
	ROSNER BERTHA MRS	New York Telephone
	PAPPAS WM S	New York Telephone
	OWEN THOS H JR	New York Telephone
	OSTERER MAX	New York Telephone
	NEWCOMB N E	New York Telephone
	MCCULLOUGH BENJ	New York Telephone
	MALRE EMLIE L	New York Telephone
	LIPPMAN ALBERT	New York Telephone
	LAS MORRIS	New York Telephone
	LA FLEUR WM JOHN	New York Telephone
	HOFDOS CHAS J	New York Telephone
	HAWK LESTER C	New York Telephone
	FRIEDMA JESSE D MD	New York Telephone
	CARUSO SALVATORE	New York Telephone
	BUTTERFIELD HELEN	New York Telephone

FINDINGS

Year	Uses	Source
1950	ZWERIN CHAS	New York Telephone
	BENNETT WILBERT C	New York Telephone
	AMBROSE JOSEPHINE	New York Telephone
	APTS & APT HOUSES	New York Telephone
	BOEDA MARGARET MRS	New York Telephone

11-25 45TH AVE

Year	Uses	Source
1950	STEWART-WARNER CORP	New York Telephone
	ALEMITE CORP	New York Telephone

11-30 45TH AVE

Year	Uses	Source
1950	DUBIED MACHY CO	New York Telephone

11-35 45TH AVE

Year	Uses	Source
1950	SATTLEY CO COIN COUNTING MACHS	New York Telephone

11-47 45TH AVE

Year	Uses	Source
1950	SCHNEIDER JULIA	New York Telephone
	VESELY FRANK	New York Telephone
	BEDELL CHAS	New York Telephone
	CELMER STANLEY L	New York Telephone
	JAMES NANCY MRS	New York Telephone
	MANDURAKES LUCY	New York Telephone

11-55 45TH AVE

Year	Uses	Source
1950	RESTIVO SALVATORE J	New York Telephone
	R	New York Telephone
	NORTH FLORENCE M	New York Telephone
	MONTALBANO VINCENT	New York Telephone
	MILLER MATTHEW G	New York Telephone
	MAYER MADELINE A MRS	New York Telephone
	LOMBARDI MAY MRS	New York Telephone
	LEAHY WM F	New York Telephone
	LAZACKA MARY	New York Telephone
	LA BATE KATHERINE	New York Telephone

FINDINGS

Year	Uses	Source
1950	KUDLAK JOHN	New York Telephone
	JULIANO MICHL J	New York Telephone
	GASTON ISABEL THERESA	New York Telephone
	CHELINI ORLANDO	New York Telephone
	WELLAND CHAS J	New York Telephone
	SPACCAFORNO C	New York Telephone
	STUONO JOHN F	New York Telephone

1103 45TH AVE

Year	Uses	Source
2008	DORSKY GALLERY CURATORIAL PROGRAMS	Cole Information Services
2005	Kings Point Fine Arts	Hill-Donnelly Information Services
	Dorsky Gallery Curatorial	Hill-Donnelly Information Services
2000	Cel Net Cmmnctns	Cole Information Services
1976	Arbeach Concrete Of N Y Inc	New York Telephone
	LITEMORE ELEC CO INC	New York Telephone

1114 45TH AVE

Year	Uses	Source
1934	OBrien Michl Mary br mgr Thos Roulston	R. L. Polk & Co.

1115 45TH AVE

Year	Uses	Source
2008	RONCHINI RONCHINI INC	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 11 Bh Atldnson D	Hill-Donnelly Information Services
	Numbr 2D h Caruso Salvatore o	Hill-Donnelly Information Services
	Curlol Celine	Hill-Donnelly Information Services
	Numbr 2 Eh Evans M v	Hill-Donnelly Information Services
	Numbr 33 h Friedberg J v	Hill-Donnelly Information Services
	h Garvey Potvin Sarah v	Hill-Donnelly Information Services
	Garvey Potvin Sarah 0 718 361 7597 o	Hill-Donnelly Information Services
	Numbr 2 C th Geller A A	Hill-Donnelly Information Services
	Numbr 1 E Johnson Lee 718 476 1869 a	Hill-Donnelly Information Services
	Kittredge Skip	Hill-Donnelly Information Services
	Numbr 2 G Mccarthy Terence	Hill-Donnelly Information Services
	Numbr 1D Morales Ivan	Hill-Donnelly Information Services
	Numbr 4 A Pedigol v	Hill-Donnelly Information Services
	Numbr 23 Pendergast George Sr v	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 21 Ryan Sean	Hill-Donnelly Information Services
	Numbr 4D Schoenig Charles A AO	Hill-Donnelly Information Services
	Numbr 3 E Slerra Carios v 718 472 4151 00oo	Hill-Donnelly Information Services
	Numbr 4 H Swanson Leonard J v	Hill-Donnelly Information Services
	Urban Interiors Is	Hill-Donnelly Information Services
	Numbr 2 H Vesely Francis J A 718 361 7686 as	Hill-Donnelly Information Services
	Numbr 41 Warren William	Hill-Donnelly Information Services
	Numbr 3D 1 h Welsman Roger	Hill-Donnelly Information Services
2000	Laszlo Aradi	Cole Information Services
	Faisol Islam	Cole Information Services
1991	Albolote Ricardo	NYNEX Information Resource Company
	Behrens Henry	NYNEX Information Resource Company
	Bothnerby Pete	NYNEX Information Resource Company
	Caruso Salvatore	NYNEX Information Resource Company
	Daniello Anthony J	NYNEX Information Resource Company
	Delrosario Rachel	NYNEX Information Resource Company
	Dries Raymond	NYNEX Information Resource Company
	Evans M	NYNEX Information Resource Company
	Fekete Matthew	NYNEX Information Resource Company
	Galvin F	NYNEX Information Resource Company
	Geller A	NYNEX Information Resource Company
	Kelly John J	NYNEX Information Resource Company
	Lewis Lock & Key Ltd	NYNEX Information Resource Company
	Marsanico Mary	NYNEX Information Resource Company
	Marsanico Thomas R	NYNEX Information Resource Company
	Mc Kenna Robt	NYNEX Information Resource Company
	Pavlov C	NYNEX Information Resource Company
	Schoenig Chas A	NYNEX Information Resource Company
	Serrano Nick	NYNEX Information Resource Company
	Sisto Mario P	NYNEX Information Resource Company
	Souquet Andre	NYNEX Information Resource Company
	Thorner L	NYNEX Information Resource Company
	Vesely Francis J	NYNEX Information Resource Company
	Vukelj Bajram	NYNEX Information Resource Company
	Weider J H	NYNEX Information Resource Company
1983	Ahmen Kamal U	New York Telephone
	Behrens Henry	New York Telephone

FINDINGS

Year	Uses	Source
1983	Caruso Salvatore	New York Telephone
	Casey R M	New York Telephone
	Daniello Anthony J	New York Telephone
	Evans M	New York Telephone
	Fekete Matthew	New York Telephone
	Geller A	New York Telephone
	Henehan M	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Koo Brian M	New York Telephone
	Magnusson J	New York Telephone
	Mc Kenna Robt	New York Telephone
	Medeiros Sergio	New York Telephone
	Schoenig Chas A	New York Telephone
	Serrano Nick	New York Telephone
	Sisto Mario P	New York Telephone
	Souquet Andre	New York Telephone
	Wasenda John	New York Telephone
1976	Acebes Lucien	New York Telephone
	Adam Jas	New York Telephone
	Bartunek R	New York Telephone
	Behrens Bertha	New York Telephone
	Caruso Salvatore	New York Telephone
	Costello Jas R	New York Telephone
	Daniello Anthony J	New York Telephone
	Donohue Mary A Mrs	New York Telephone
	Evans Thos	New York Telephone
	Fekete Matthew	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
1970	Acebes Lucien	New York Telephone
	Adam Jas	New York Telephone
	Behrens Bertha	New York Telephone
	Buondelmonte J Mrs	New York Telephone
	Caruso Salvatore	New York Telephone
	Daniello Anthony J	New York Telephone
	DePalo Rocco	New York Telephone

FINDINGS

Year	Uses	Source
1970	Fekete Matthew	New York Telephone
	Gozzi John	New York Telephone
	Hawk Lester C	New York Telephone
	Hyman Morris	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
	Marsanico Mary	New York Telephone
	McKenna Anne F Mrs	New York Telephone
	McKenna Robt	New York Telephone
	Morano Frank	New York Telephone
	Nicolich Angello	New York Telephone
	Oddo Lewis J	New York Telephone
	Polachek Mary	New York Telephone
	Schoenig Chas A	New York Telephone
	Sergio Edmund P	New York Telephone
	Serrano Nick	New York Telephone
	Sisto Mario P	New York Telephone
	Wallace R	New York Telephone
	Wasenda John	New York Telephone
1967	Acebes Luclen	New York Telephone
	Adam Jas	New York Telephone
	Behrens Bertha	New York Telephone
	Buondelmonte J Mrs	New York Telephone
	Caruso Salvatore	New York Telephone
	Cunningham Mary	New York Telephone
	Daniello Anthony J	New York Telephone
	DePalo Rocco	New York Telephone
	Evans Thos	New York Telephone
	Fekete Matthew	New York Telephone
	Garafalo Michl R	New York Telephone
	Hawk Lester C	New York Telephone
	Hyman Morris	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
	Maffei Robt	New York Telephone
	Marsanico Mary	New York Telephone

FINDINGS

Year	Uses	Source
1967	McCullough Benj	New York Telephone
	Morano Frank	New York Telephone
	Newcomb N E	New York Telephone
	Polachek Mary	New York Telephone
	Schoenig Chas A	New York Telephone
	Sergio Edmund F	New York Telephone
	Serrano Nick	New York Telephone
	Sisto Mario P	New York Telephone
1962	Acebes Lucien	New York Telephone Directory
	Behrens Henry	New York Telephone Directory
	Boeda Margaret Mrs	New York Telephone Directory
	Bolash P	New York Telephone Directory
	Borg Theresa Mrs	New York Telephone Directory
	Buondelmonte J Mrs	New York Telephone Directory
	Caruso Salvatore	New York Telephone Directory
	Daniello Anthony J	New York Telephone Directory
	DeQuatro Francis R	New York Telephone Directory
	Evans Thos	New York Telephone Directory
	Fekete Matthew	New York Telephone Directory
	Friedman Jesse D MD	New York Telephone Directory
	Garafalo Michl R	New York Telephone Directory
	Hawk Lester C	New York Telephone Directory
	Hyman Morris	New York Telephone Directory
	Hyman Morris	New York Telephone Directory
	Kelly John J	New York Telephone Directory
	Klimovich Fred	New York Telephone Directory
	Lass Morris	New York Telephone Directory
	Lippman Albert	New York Telephone Directory
	Marsanico Mary Mrs	New York Telephone Directory
	May R N	New York Telephone Directory
	McCullough Benj	New York Telephone Directory
	Moraro Frank	New York Telephone Directory
	Newcomb NE	New York Telephone Directory
	Polachek Mary	New York Telephone Directory
	Schoenig Chas A	New York Telephone Directory
	Sergio Edmund F	New York Telephone Directory
	Serrano Nick	New York Telephone Directory
	Sisto Mario P	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Stroligo Edw	New York Telephone Directory
	Tuttle Howard A	New York Telephone Directory
	Wolf P J	New York Telephone Directory
1945	Ambrose Josephine	New York Telephone
	Boeda Margaret Mrs	New York Telephone
	Butterfield Helen	New York Telephone
	Cardone Mary Mrs	New York Telephone
	Friedman Jesse D MD F	New York Telephone
	Hawk Lester C	New York Telephone
	Lodato Angie Mrs	New York Telephone
	Ward Helen Mrs	New York Telephone
	Wolf P J	New York Telephone
1939	Boeda Margaret Mrs	New York Telephone Company
	Butterfield Helen	New York Telephone Company
	Friedman Jesse D MD	New York Telephone Company
	Morris Jimmiy	New York Telephone Company
1934	Austerlitz Victor Ellen slsmn	R. L. Polk & Co.
	Behrens Henry Bertha chauf	R. L. Polk & Co.
	Boeda Harry Margt bldg supt	R. L. Polk & Co.
	Bruns Wm Eleanor brkmn	R. L. Polk & Co.
	Cooney Geo Cath clk	R. L. Polk & Co.
	Ehmer Walter Ehmer chauf	R. L. Polk & Co.
	Epstein Geo pharm	R. L. Polk & Co.
	Feldman Max Sadie metalwkr	R. L. Polk & Co.
	Flanagan Jos Ella splicer	R. L. Polk & Co.
	Fontana Thelma B tel opr	R. L. Polk & Co.
	Fontana Vincent typist	R. L. Polk & Co.
	Gibbons Irene G copyist Dist Atty Queens Co	R. L. Polk & Co.
	Gilbert Cath cap opr	R. L. Polk & Co.
	Gilbert John Harriet wtchmn	R. L. Polk & Co.
	Grant Edw Irene clk	R. L. Polk & Co.
	Leeser Anna wid Saml	R. L. Polk & Co.
	Liptak John Grace auto mech	R. L. Polk & Co.
	Melia John Margt clk	R. L. Polk & Co.
	Moore Dowanda Wid Jos cap opr	R. L. Polk & Co.
	Schoenig Chas Pauline auto mech	R. L. Polk & Co.
	Alderman Eug Beatrice printer	R. L. Polk & Co.
	Shannon Jos Lillian eng	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Shine John Nellie firemn	R. L. Polk & Co.
	Simek Rose wid Harry	R. L. Polk & Co.
	Wallace Geo Cath chauf	R. L. Polk & Co.

1122 45TH AVE

Year	Uses	Source
2013	SHINE ELECTRONICS INC	Cole Information Services

1124 45TH AVE

Year	Uses	Source
1962	Ignelzi Roy R	New York Telephone Directory

1125 45TH AVE

Year	Uses	Source
2013	LLC SHUSTER MANAGEME LLC	Cole Information Services
2005	Kasper & Esh Inc	Hill-Donnelly Information Services
2000	Kaspar & Esh Inc	Cole Information Services
1991	Kasper & Esh Inc mfg jwlrs	NYNEX Information Resource Company
1983	Famor Inc	New York Telephone
1970	Albert Ergas Contrctg Corp	New York Telephone
	Arlen Operating Co	New York Telephone
	Goodnor Const Corp	New York Telephone
1967	ALEMITE CORP	New York Telephone
	Alemo Lid Gilpn Av Haupaug	New York Telephone
1962	ALEMITE CORP	New York Telephone Directory
1934	Martino Amedeo Adeline tailor	R. L. Polk & Co.

1135 45TH AVE

Year	Uses	Source
2013	THIKANA	Cole Information Services
2008	THE NEW YORK BAGEL CO INC	Cole Information Services
	PROMETHEUS INTERNATIONAL INC	Cole Information Services
	THIKANA NEWSPAPERS	Cole Information Services
	THIKANA	Cole Information Services
2005	New York Bagel Co 1 R	Hill-Donnelly Information Services
	Prometheus International Inc	Hill-Donnelly Information Services
	Thlkana DGN Newspapers	Hill-Donnelly Information Services
2000	The New York BGL Co Inc	Cole Information Services
	Thikan	Cole Information Services
1991	Expediters Of The Printed Word Ltd	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1983	Expediters Of The Printed Word Ltd	New York Telephone
	Expediters Of The Printed Word Ltd	New York Telephone
1976	Air And Sea Freight Inc	New York Telephone
	Air And Sea Freight Inc	New York Telephone
1970	Sattler Co of NY Inc coin counting machs	New York Telephone
1967	Sattley Co of NY Inc coin counting machs	New York Telephone
1962	Sattley Co of NY Inc coln counting machs	New York Telephone Directory

1143 45TH AVE

Year	Uses	Source
2005	Mollendo Equipment Co	Hill-Donnelly Information Services
2000	Milnd Equip Co Inc	Cole Information Services
1991	MOLLENDO EQUIPT CO INC	NYNEX Information Resource Company
1983	Arrow Restoration Inc	New York Telephone
1970	SCHRECKINGER EQUIP CORP	New York Telephone
1967	SCHRECKINGER EQUIP CORP	New York Telephone
1962	Demonstration Sales Co	New York Telephone Directory
	Neudell Mort b	New York Telephone Directory
	Propper Martin b	New York Telephone Directory

1147 45TH AVE

Year	Uses	Source
2005	Numbr 7 h Ortiz Dannis AO 718 786 0327 s	Hill-Donnelly Information Services
	Ortiz M	Hill-Donnelly Information Services
	Ramlrez Efrain	Hill-Donnelly Information Services
	Numbr 15 Sema Alexander	Hill-Donnelly Information Services
	Numbr 11 h Suarez Amparo AV	Hill-Donnelly Information Services
	Numbr 16 h Woodason Nithaya Av	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 6 h Constantino Carina y	Hill-Donnelly Information Services
	De Prophetis Mary Anne	Hill-Donnelly Information Services
	Numbr 13 Foumier Urania A	Hill-Donnelly Information Services
	Numbr 14 h Jimenez M o	Hill-Donnelly Information Services
	Numbr 10 h Kimbrough Mary Anne & Frank	Hill-Donnelly Information Services
2000	Apartments Brittany Allen	Cole Information Services
	Canna Constantino	Cole Information Services
	De Prophetis	Cole Information Services
	Donald Flores	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Urania Fournier	Cole Information Services
	Victor E Giraldo	Cole Information Services
1996	FOURNIER Urzato	NYNEX
1991	Natale Margaret A	NYNEX Information Resource Company
	Caneiro Jose	NYNEX Information Resource Company
	De Prophetis Mary Anne	NYNEX Information Resource Company
	Fournier Urania	NYNEX Information Resource Company
	Fournier Urania	NYNEX Information Resource Company
	Giraldo V R	NYNEX Information Resource Company
	Kimbrough Mary Anne & Frank	NYNEX Information Resource Company
	Ortiz D	NYNEX Information Resource Company
	Ortiz M	NYNEX Information Resource Company
	Suarez Severino	NYNEX Information Resource Company
	Woodason Nithaya	NYNEX Information Resource Company
	Ynoa Jorge	NYNEX Information Resource Company
1983	Fournier Urania	New York Telephone
	Caneiro Jose	New York Telephone
	Giraldo V R	New York Telephone
	Kaewbang Kawee	New York Telephone
	Lindner Lawrence	New York Telephone
	Natale Margaret A	New York Telephone
	Ortiz D	New York Telephone
	Ortiz M	New York Telephone
	Rodriguez Mario	New York Telephone
	Sanchez A	New York Telephone
	Schneider J	New York Telephone
1976	Alvarez Alberto	New York Telephone
	Caneiro Jose	New York Telephone
	Celmer Stanley L	New York Telephone
	Gonzalez Hector	New York Telephone
1970	Pens Urania	New York Telephone
	Bedell Chas	New York Telephone
	Celmer Stanley L	New York Telephone
	Gell Elena S Mrs	New York Telephone
	Hannel Eliz M	New York Telephone
	Molitor Nik	New York Telephone
	Natale Margaret A	New York Telephone
	Santana Tomas	New York Telephone

FINDINGS

Year	Uses	Source
1970	Schneider Julia	New York Telephone
1967	Almash Nicholas	New York Telephone
	Bedell Chas	New York Telephone
	Blaho Stephan	New York Telephone
	Celmer Stanley L	New York Telephone
	Hannel Eliz Al	New York Telephone
	Lugo Irene	New York Telephone
	Molitor Nik	New York Telephone
	Natale Margaret A	New York Telephone
	Schneider Julia	New York Telephone
1962	Almash Nicholas	New York Telephone Directory
	Bedell Chas	New York Telephone Directory
	Beringer Henriette	New York Telephone Directory
	DiTommaso Mary G	New York Telephone Directory
	Getchell Ralph H	New York Telephone Directory
	Hannel Eliz M	New York Telephone Directory
	Molitor Nik	New York Telephone Directory
	Schneider Julia	New York Telephone Directory
1945	Bedell Chas	New York Telephone
	Eagan Eugene F	New York Telephone
	Schneider Jos	New York Telephone
	Tomlinson Lawrence Jr	New York Telephone
1934	Bedell Chas Jenny chauf	R. L. Polk & Co.
	Brown Thos Frances lab	R. L. Polk & Co.
	Brown Vera waitress	R. L. Polk & Co.
	Clemensen Jos May lab	R. L. Polk & Co.
	Dietrich Alf Hedgwick baker	R. L. Polk & Co.
	Klein DAvid Dora clk	R. L. Polk & Co.
	Kotish John Kuni routemn	R. L. Polk & Co.
	Nelson Sigurd Margt mech	R. L. Polk & Co.
	OConnor Julia clk	R. L. Polk & Co.
	Pask Stanley J Beatrice camera opr	R. L. Polk & Co.
	Taylor Clarence Gerace barge capt	R. L. Polk & Co.
	Vasata Wm Agnes	R. L. Polk & Co.
	Vasata Wm lab	R. L. Polk & Co.
	Winkler John Nellie slsmn	R. L. Polk & Co.

FINDINGS

1155 45TH AVE

Year	Uses	Source
2013	HUNTERS PLUMBING & HEATING	Cole Information Services
	JOY GOURMET INC	Cole Information Services
2005	Numbr 6 h R 1 B BA	Hill-Donnelly Information Services
	Numbr 27 h Stormer H & 0 AV	Hill-Donnelly Information Services
	Viana Luls v	Hill-Donnelly Information Services
	Numbr 22 White Philomena & Robert	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Continued	Hill-Donnelly Information Services
	Deli 1 R	Hill-Donnelly Information Services
	Angel Yehuda v	Hill-Donnelly Information Services
	Numbr 11 h Campbell William P A	Hill-Donnelly Information Services
	Numbr 4h Friedli Roger 7718 784 5995 s	Hill-Donnelly Information Services
	Numbr 11 h German Christopher	Hill-Donnelly Information Services
	Numbr 2 h Juliano Ann AV	Hill-Donnelly Information Services
	h Karas M	Hill-Donnelly Information Services
	Numbr 24 h Kelly Robert	Hill-Donnelly Information Services
	Numbr 8 Martin Wesley	Hill-Donnelly Information Services
	Numbr 5 Mcfarlane Alexander	Hill-Donnelly Information Services
	Mejia John	Hill-Donnelly Information Services
	Numbr 26 Mootz Harald G	Hill-Donnelly Information Services
	Numbr 23 North Kenneth A	Hill-Donnelly Information Services
	Numbr 13 h Perez Luis Angel A	Hill-Donnelly Information Services
	Numbr 8 h Rieger Emily	Hill-Donnelly Information Services
2000	Michael Amaral	Cole Information Services
1996	FRIEDLI Roger	NYNEX
1991	Mech Paul	NYNEX Information Resource Company
	North Florence M	NYNEX Information Resource Company
	North Kenneth	NYNEX Information Resource Company
	Perez Luis Angel	NYNEX Information Resource Company
	Smiri Joseph	NYNEX Information Resource Company
	Campbell Wm P	NYNEX Information Resource Company
	Caneiro Jose	NYNEX Information Resource Company
	Christie Arthur	NYNEX Information Resource Company
	Holmes S	NYNEX Information Resource Company
	Juliano Michl J	NYNEX Information Resource Company
	Kendus Ann	NYNEX Information Resource Company
	Mayer Madeline A Mrs	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Mayer William	NYNEX Information Resource Company
1983	Barreto L	New York Telephone
	Budhu Gewan	New York Telephone
	Campbell Wm P	New York Telephone
	Comunale J	New York Telephone
	Dinkgreve H	New York Telephone
	Donohue Wm E	New York Telephone
	Duda L M	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	Mercurio Joseph	New York Telephone
	Montalvo F	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone
	Roman C M	New York Telephone
1976	Evans Herman	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	La Bate K	New York Telephone
	Leahy Wm F	New York Telephone
	Blethroad James K	New York Telephone
	Campbell Wm P	New York Telephone
	Caneiro Jose	New York Telephone
	Chelini Orlando	New York Telephone
	Comunale J	New York Telephone
	Donohue Wm E	New York Telephone
1970	Campbell Wm P	New York Telephone
	Comunale Josephine Mrs	New York Telephone
	Donohue Wm E	New York Telephone
	Evans Herman	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	LaBate Katherine	New York Telephone
	Leahy Wm F	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone

FINDINGS

Year	Uses	Source
1970	Rensch R P	New York Telephone
	Schultz Edw	New York Telephone
1967	Campbell Wm P	New York Telephone
	Chelini Orlando	New York Telephone
	Comunale Josephine Mrs	New York Telephone
	Crawford Helge	New York Telephone
	Donohue Wm E	New York Telephone
	Gasper Jos	New York Telephone
	Grande Jos P	New York Telephone
	Juliano Michl J	New York Telephone
	LaBate Katherine	New York Telephone
	Leahy Wm F	New York Telephone
	Mahoney Wm	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	McGuinness John J	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone
	Rensch R P	New York Telephone
	Spaccaforno Victor	New York Telephone
1962	Campbell Wm P	New York Telephone Directory
	Clielini Orlando	New York Telephone Directory
	Donohue Wm E	New York Telephone Directory
	Gasper Jos	New York Telephone Directory
	Gaston Isabel Theresa	New York Telephone Directory
	Guilmette Arthur C	New York Telephone Directory
	Juliano Frank	New York Telephone Directory
	Juliano Michl J	New York Telephone Directory
	LaBate Katherine	New York Telephone Directory
	Lawrence Jas	New York Telephone Directory
	Leahy Wm F	New York Telephone Directory
	Maher Geo	New York Telephone Directory
	Mayer Madeline A Mrs	New York Telephone Directory
	North Florence M	New York Telephone Directory
	Reid Ernest O	New York Telephone Directory
	Rodriguez C	New York Telephone Directory
	Schorr Howard	New York Telephone Directory
	Silverman Abe	New York Telephone Directory
	Spaccaforno C	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Wallace M C	New York Telephone Directory
1945	Hartley Sue Mrs	New York Telephone
	Lazacka Mary	New York Telephone
	Lombardi May Mrs	New York Telephone
	Maple Coal & Coke Co	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	Spaccaforno C	New York Telephone
1939	Flanagan Nellie Mrs	New York Telephone Company
	Kudlak Fred	New York Telephone Company
	Lazacka Mary	New York Telephone Company
	Lombardi May Mrs	New York Telephone Company
	Mayer Madeline A Mrs	New York Telephone Company
	Mc Guiness C L	New York Telephone Company
1934	ODonnell Elizabeth wid Patk	R. L. Polk & Co.
	ODonnell Mildred sten Mhn	R. L. Polk & Co.
	ONeill Jos clk	R. L. Polk & Co.
	ONeill Nora	R. L. Polk & Co.
	Rissmann Charlotte waitress	R. L. Polk & Co.
	Roman Anna	R. L. Polk & Co.
	Roman Cath sten	R. L. Polk & Co.
	Roman Ignalius dyer	R. L. Polk & Co.
	Sharkey Mary Wid Saml	R. L. Polk & Co.
	Smith Nelson wtchmn	R. L. Polk & Co.
	Stragi Jos Cath waiter	R. L. Polk & Co.
	Walsh Geo Hannah chauf	R. L. Polk & Co.
	Wyman Elmer J Adeline teleg	R. L. Polk & Co.
	Mc Veety	R. L. Polk & Co.
	Asta Carmen Agnes mtrmn	R. L. Polk & Co.
	Benson Benj Gertrude	R. L. Polk & Co.
	Brinkman Henry Margt slsmn	R. L. Polk & Co.
	Brown Chas Mary	R. L. Polk & Co.
	Carlsen Bernard Anna rigger	R. L. Polk & Co.
	Cosgrove Jas Gertrude slsmn	R. L. Polk & Co.
	Doyle Michl dock bldr dept P & S	R. L. Polk & Co.
	Flanagan Nellie Wid Jos	R. L. Polk & Co.
	Grover Jas clnr	R. L. Polk & Co.
	Hofner Cath wid Chas	R. L. Polk & Co.
	Hofner Edw clk Mhn	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Holdos Frank Madgalene bldg supt	R. L. Polk & Co.
	Landis Wm Margt slsmn	R. L. Polk & Co.
	Mason Carmen Emma truck driver	R. L. Polk & Co.
	Mc Veety Frank Mary clk	R. L. Polk & Co.
	Moore John jr printe	R. L. Polk & Co.

1165 45TH AVE

Year	Uses	Source
1970	Chelini Orlando	New York Telephone

1255 45TH AVE

Year	Uses	Source
1991	Velez A	NYNEX Information Resource Company

1347 45TH AVE

Year	Uses	Source
1983	Suarez Severino	New York Telephone

1413 45TH AVE

Year	Uses	Source
1934	Garfield Rose silk Exmnr	R. L. Polk & Co.

18-12 45TH AVE

Year	Uses	Source
1950	MILLER I B CONTRACTG CORP	New York Telephone
	MILLER I-B-ACSELROD WM BLDRS INC	New York Telephone

18-48 45TH AVE

Year	Uses	Source
1950	NOLFO MARY	New York Telephone

1815 45TH AVE

Year	Uses	Source
2008	DOBBS INTERNATIONAL SERVICE	Cole Information Services
	GATES GOURMET	Cole Information Services

1824 45TH AVE

Year	Uses	Source
1934	Fry Wm Caroline eng	R. L. Polk & Co.

FINDINGS

45TH RD

1018 45TH RD

Year	Uses	Source
1934	International Skylight Co Inc NY	R. L. Polk & Co.
	United Saw Works RTN Albert Needhammer Paul Kiechle	R. L. Polk & Co.

1020 45TH RD

Year	Uses	Source
2013	GARNETT CHRISTIAN	Cole Information Services
	ARMSTRONG LOCKSMITH INCORPORATED	Cole Information Services
2005	Stein Daniel	Hill-Donnelly Information Services
	h Chesler Andrew	Hill-Donnelly Information Services
	Ehrenwoth Andrew	Hill-Donnelly Information Services
	Gamett Christian w	Hill-Donnelly Information Services
	Gamett Christian s	Hill-Donnelly Information Services
	h Hammerman Pat A	Hill-Donnelly Information Services
	h Mudd Harvey AO	Hill-Donnelly Information Services
2000	Joyce Abrams	Cole Information Services
	Andrew Ehrenwoth	Cole Information Services
	P Hammermankrassn	Cole Information Services
	Crystal Lee	Cole Information Services
	Lori Nozick	Cole Information Services
	Sandra Salisbury	Cole Information Services
	Chesler Andrew	Cole Information Services
	Garnett Christian	Cole Information Services
	Giganti Jnn Evlvng	Cole Information Services
	Mark Andrew Vndng	Cole Information Services
	Mudd Harvey	Cole Information Services
	Robishaw Sandr	Cole Information Services
	Vallas Dean	Cole Information Services
1991	Ten Twenty Art Space Inc	NYNEX Information Resource Company
1962	Orium Prods Inc	New York Telephone Directory
	Saboeva Furn Inc	New York Telephone Directory
1945	Rogge Edw b	New York Telephone
	Roller Engrvng C0 Inc	New York Telephone
	Gussack Machined Prods Co	New York Telephone
1939	Queens Silk Co Inc	New York Telephone Company

Year	Uses	Source
1939	Standard Instruments Corp	New York Telephone Company

1025 45TH RD

Year	Uses	Source
2005	Port Distributing Corp IS	Hill-Donnelly Information Services
1991	PORT DISTRIBTG CORP	NYNEX Information Resource Company
	Port Dstrbtng Corp	NYNEX Information Resource Company
1983	QUADRI INC	New York Telephone

1027 45TH RD

Year	Uses	Source
1945	Missioni Dry Corp sales dept	New York Telephone
	Plaza Beverage Co Inc	New York Telephone
1934	Sekested A truck driver Long Island Fndry Co Inc	R. L. Polk & Co.
	Vanscwer V mldr Long Island Foundry Co Inc	R. L. Polk & Co.
	Minary R chipper Leng Island Foundry Co Inc	R. L. Polk & Co.
	Long Island Foundry Co Inc NY cap $100000 Thos F Mc Mahon pres Melvin Healy sec treas	R. L. Polk & Co.
	Kajel S chipper Long Island Foundry Co Inc	R. L. Polk & Co.
	Jaracek J shipper Long Island Foundry Co Inc	R. L. Polk & Co.
	Sylinskv A mldr Long Island Foundry Co Inc	R. L. Polk & Co.

1028 45TH RD

Year	Uses	Source
1939	Dan Dee Strap & Spclty Co	New York Telephone Company
	Bradley A J Mfg Co oil papr	New York Telephone Company
	Bradley Stencil Cutting Machine Co	New York Telephone Company
	Gussack Machined Prods Inc	New York Telephone Company
	Malan & Meyer	New York Telephone Company
1934	Branch	R. L. Polk & Co.

1030 45TH RD

Year	Uses	Source
1983	Angelos Art	New York Telephone

FINDINGS

1032 45TH RD

Year	Uses	Source
1967	Advanced Fabricating Corp	New York Telephone
1962	Advanced Welding & Fabricating Co	New York Telephone Directory

1034 45TH RD

Year	Uses	Source
2013	LLOYD & SONS INC	Cole Information Services
2005	Arlington Furniture Corp	Hill-Donnelly Information Services
2000	The Arlngtn Furn	Cole Information Services
1991	Ionic Furniture Corp	NYNEX Information Resource Company
1983	Ionic Furniture Corp	New York Telephone

1035 45TH RD

Year	Uses	Source
2000	LIC Trucking Corp	Cole Information Services
	LIC Tracking	Cole Information Services

1038 45TH RD

Year	Uses	Source
1939	Hercules Co road rollrs	New York Telephone Company

1122 45TH RD

Year	Uses	Source
2008	TEL KO ELECTRONICS INC	Cole Information Services
2005	Shine Electronics Inc	Hill-Donnelly Information Services
2000	Shino Elctrncs Inc	Cole Information Services
1991	TEL KO ELECTRONICS INC	NYNEX Information Resource Company
	Telko Electronics Inc	NYNEX Information Resource Company
	Gold Star Electronics International Inc	NYNEX Information Resource Company
	Compucare Micro Systems Inc	NYNEX Information Resource Company
	Gold Star Electronics	NYNEX Information Resource Company
1983	Florelee Undrgrmnt Co Inc	New York Telephone
1970	Florelee Undrgrmnt Co Inc	New York Telephone
1967	Florelee Undrgrmnt Co Inc	New York Telephone

1125 45TH RD

Year	Uses	Source
1962	Rapp Wm	New York Telephone Directory

FINDINGS

1130 45TH RD

Year	Uses	Source
2013	YORK INTERNATIONAL	Cole Information Services
2008	NEW YORK STORE FIXTURE	Cole Information Services
	YORK INTERNATIONAL	Cole Information Services
2000	Green Mtn Graphics	Cole Information Services
	Owens Express	Cole Information Services
1991	Ferroform Inc	NYNEX Information Resource Company
1970	Efficient Instruments Corp	New York Telephone
	Argo Instrmnts Corp	New York Telephone
	Efficient Instrments Corp	New York Telephone

1136 45TH RD

Year	Uses	Source
1976	Tech Inquiries	New York Telephone
1967	Tech Inquiries	New York Telephone

1140 45TH RD

Year	Uses	Source
2005	SSG Library Svc	Hill-Donnelly Information Services
1976	Fisher Radio Corp Exec Offices	New York Telephone
	Parts Dept	New York Telephone
	Repr Svce & Parts	New York Telephone
1970	Exec Offices	New York Telephone
	Repr Svce & Parts	New York Telephone
1967	Exec Offices	New York Telephone
	Repr Svce	New York Telephone

1866 45TH RD

Year	Uses	Source
2000	Nation Wd Recycle	Cole Information Services

2019 45TH RD

Year	Uses	Source
2000	Cheryl Buchner	Cole Information Services

2046 45TH RD

Year	Uses	Source
2000	Michael Stapleton	Cole Information Services

FINDINGS

2057 45TH RD

Year	Uses	Source
2000	David Hamill	Cole Information Services
	21ST ST INTS FROM	Cole Information Services

2059 45TH RD

Year	Uses	Source
1939	Kiernan Patrick	New York Telephone Company

45TH ST

10-11 45TH ST

Year	Uses	Source
1950	SUN DEW CORP BEVRGS	New York Telephone
	ORANGE MAID INC	New York Telephone

10-12 45TH ST

Year	Uses	Source
1950	KROMALL CHEMCL & DISPERSIONS CORP	New York Telephone

10-15 45TH ST

Year	Uses	Source
1950	US MANNEQUIN MTG CO	New York Telephone
	BEST METL PRODC INC	New York Telephone
	PETER PUPPET PLAYTHINGE INC	New York Telephone
	NATL VENELATS CO INC	New York Telephone

10-18 45TH ST

Year	Uses	Source
1950	SANDER MONROE CORP LAGRS VARNSHS	New York Telephone
	MONROE SANDER CORP LAQRS VARNSHS	New York Telephone

10-27 45TH ST

Year	Uses	Source
1950	WOOLBRYTE FABRICS CO	New York Telephone
	BORSDORFF CO INC THE FURN	New York Telephone
	IMPERIAL REED & FLBRA CO	New York Telephone
	BEHRENS WOOLEN MILLS INC	New York Telephone

FINDINGS

10-35 45TH ST

Year	Uses	Source
1950	FEHLHABER PILE CO INC	New York Telephone

10-36 45TH ST

Year	Uses	Source
1950	QUEENS TEXTILE MFG INC	New York Telephone
	TIMBERLANE HOTEL GUEST RANCH	New York Telephone

10-40 45TH ST

Year	Uses	Source
1950	HEFGOLD REALTY CORP OFC	New York Telephone
	EMPIRE CITY IRON WKS	New York Telephone
	DALY STEEL PRODS CO	New York Telephone
	HEFFNER S O RL EST	New York Telephone

1020 45TH ST

Year	Uses	Source
1934	Goldman Abr Celia Goldman Bros	R. L. Polk & Co.

1027 45TH ST

Year	Uses	Source
1934	Donohue W emp Long Island Foundry Co Inc	R. L. Polk & Co.

1035 45TH ST

Year	Uses	Source
1934	Zinn Saul I Westminster Pharmacy	R. L. Polk & Co.

1095 45TH ST

Year	Uses	Source
1962	SCHIEFFELIN & CO	New York Telephone Directory
	Drug Order Dept	New York Telephone Directory
	Genl Offices	New York Telephone Directory
	Drug Ordr Dept	New York Telephone Directory
	Schieffelin & Co drugs phrmcutcls	New York Telephone Directory
	Schieffelin & Co drugs phrmcutcls	New York Telephone Directory

11-14 45TH ST

Year	Uses	Source
1950	DEREN GEO F	New York Telephone
	DE VITA WM G	New York Telephone

FINDINGS

Year	Uses	Source
1950	BURCH JOHN P JR	New York Telephone
	BAYLIS MARY	New York Telephone
	BACHENHEIMER ALBERT D	New York Telephone
	ADAMS JAS	New York Telephone
	W	New York Telephone
	VINE WM	New York Telephone
	STREUBER ANTONIE	New York Telephone
	SHAW MARY MRS	New York Telephone
	ROWAN JEANETTE MRS	New York Telephone
	ROBINSON WM J	New York Telephone
	MOORE GERALDINE	New York Telephone
	MOLONEY MARY MRS	New York Telephone
	MCCARTHY PATRICIA E	New York Telephone
	MACHINSKY PETER	New York Telephone
	M	New York Telephone
	KENNEDY PATK	New York Telephone
	DE NERO ANTHONY F	New York Telephone

11-24 45TH ST

Year	Uses	Source
1950	ACME EXTERMINATING CO	New York Telephone
	WARYOLD FRANK P	New York Telephone
	ARC ENGNRNG CO BOILR REPR& WELDNG	New York Telephone
	BELLINI MICHL A	New York Telephone
	BISIGNANL VINCENT F DDS	New York Telephone
	BURNOR HARRY A	New York Telephone
	CARBONE GERTRUDE	New York Telephone
	CARELLI FRANK P	New York Telephone
	COLLETTI GEO	New York Telephone
	D ANTUONO RALPH J	New York Telephone
	DE NERO JOS	New York Telephone
	DE SERIO JOHN	New York Telephone
	FERRINI JULIUS	New York Telephone
	FIORETTL CARRIE	New York Telephone
	FUMEX SANITATION INC	New York Telephone
	GALLAGHER WM	New York Telephone
	GEAGAN JOHN	New York Telephone
	GLRARDL JEROME J	New York Telephone

FINDINGS

Year	Uses	Source
1950	AMER COM STEEL CO	New York Telephone
	VISSER ADRLANUS	New York Telephone
	GOLDNER ALEX H	New York Telephone
	KENNY JOHN H	New York Telephone
	KENNY THOS	New York Telephone
	L I TANK LINING CO	New York Telephone
	M	New York Telephone
	MAJESTLC EXTERMINATING CO INC	New York Telephone
	P	New York Telephone
	PIEKEMA SUSAN	New York Telephone
	PROFESSIONAL MENS EXCHANGE OF QNS	New York Telephone
	QUEENS TELEPHONE SECRETARY	New York Telephone
	RICCIO MARGIE R	New York Telephone
	S	New York Telephone
	S	New York Telephone
	SCHARFF CARRIE MRS	New York Telephone
	SHEPPARD WM C JR	New York Telephone
	SORIANO VINCENT A	New York Telephone
	STACK BEREHA MRS	New York Telephone
	STERNER TERESA MRS	New York Telephone

1115 45TH ST

Year	Uses	Source
1934	Newbury Nelson Mary slsmn	R. L. Polk & Co.
	Fontana Eug Elvira formn Mhn	R. L. Polk & Co.

1147 45TH ST

Year	Uses	Source
1934	OConnor Jos Cath handymn	R. L. Polk & Co.

1155 45TH ST

Year	Uses	Source
1934	Moore Mary wid John	R. L. Polk & Co.
	Mc Cabe Margt wid John matron	R. L. Polk & Co.
	Mc Cabe Jas elev opr Mhn	R. L. Polk & Co.
	Leahy Wm Jane chauf Mhn	R. L. Polk & Co.
	Brown Martin Winifred lab	R. L. Polk & Co.
	Rissmann Elsie Wid Walter	R. L. Polk & Co.

1254 45TH ST

Year	Uses	Source
1934	Wolff Herman Frances pres Wollf Alport Chemical Corp	R. L. Polk & Co.

1322 45TH ST

Year	Uses	Source
1934	Robinson Robt Virginia clk	R. L. Polk & Co.

1330 45TH ST

Year	Uses	Source
1934	Blum Louis Blum Electric Co	R. L. Polk & Co.

1401 45TH ST

Year	Uses	Source
1996	UNYT Newspapers	NYNEX

46TH AVE

10-20 46TH AVE

Year	Uses	Source
1950	BANNON CATHERINE M MRS	New York Telephone

10-22 46TH AVE

Year	Uses	Source
1950	LAURL BENJ	New York Telephone

10-24 46TH AVE

Year	Uses	Source
1950	OCONNOR JOHN D	New York Telephone

10-25 46TH AVE

Year	Uses	Source
1950	HEPPA WM TRUCKING CO INC	New York Telephone

10-26 46TH AVE

Year	Uses	Source
1950	LAURI ANIEL T	New York Telephone

10-28 46TH AVE

Year	Uses	Source
1950	MEO SALVATORE	New York Telephone

FINDINGS

10-29 46TH AVE

Year	Uses	Source
1950	FARM FOOD CHEESE CORP	New York Telephone

10-34 46TH AVE

Year	Uses	Source
1950	BWAY REBUILT MOTOR DISTRIBUTRS CO	New York Telephone
	CONSOLIDATED OIL & SUPPLY CO	New York Telephone

10-35 46TH AVE

Year	Uses	Source
1950	GRAY SELMA	New York Telephone
	KEMPF CHAS H	New York Telephone
	SULLA LAWRENCE	New York Telephone
	GRAY LILLIA E	New York Telephone

10-37 46TH AVE

Year	Uses	Source
1950	LO PICCOLO JOHN	New York Telephone

10-41 46TH AVE

Year	Uses	Source
1950	AMATO FRANK	New York Telephone
	CAGGIANO LAWRENCE	New York Telephone
	CARUNO ANNE	New York Telephone

10-42 46TH AVE

Year	Uses	Source
1950	JEROME ANTHONY J	New York Telephone

10-43 46TH AVE

Year	Uses	Source
1950	RENNA JAS V	New York Telephone
	CHLAPPISE ANTHONY	New York Telephone

10-45 46TH AVE

Year	Uses	Source
1950	DI GESU FRANK	New York Telephone

FINDINGS

10-47 46TH AVE

Year	Uses	Source
1950	CANNIZZARO PETER	New York Telephone

10-48 46TH AVE

Year	Uses	Source
1950	DE LANEY SARAH	New York Telephone

10-49 46TH AVE

Year	Uses	Source
1950	LO CICERO BENJ J	New York Telephone

10-50 46TH AVE

Year	Uses	Source
1950	PEPE FRANK	New York Telephone

10-51 46TH AVE

Year	Uses	Source
1950	MASON MARY	New York Telephone

10-52 46TH AVE

Year	Uses	Source
1950	NORTON CATHERINE	New York Telephone

10-54 46TH AVE

Year	Uses	Source
1950	AGOGUA FELICE	New York Telephone

1012 46TH AVE

Year	Uses	Source
2013	ABC METER SHOP	Cole Information Services
2008	ABC METER SHOP	Cole Information Services

1015 46TH AVE

Year	Uses	Source
2008	KOCHWAY DISTRIBUTION INC	Cole Information Services
2005	Kochway Distribution Inc	Hill-Donnelly Information Services
	Queens Import Motors Inc	Hill-Donnelly Information Services
1967	Jay Wool Waste Co	New York Telephone
1962	Natl Ventlatg Co	New York Telephone Directory
	BEST METL PRODS INC	New York Telephone Directory
1945	Best Metl Prods Inc	New York Telephone

Year	Uses	Source
1945	Natl Ventlatg Co	New York Telephone
1939	Goodwear Leather Coat Co Inc	New York Telephone Company
	Best Metl Prods Inc	New York Telephone Company
	A & W Prods Co metl stmpg	New York Telephone Company
	Plastic Jwlry Inc plste mfrs	New York Telephone Company
	Natl Ventlatg Co	New York Telephone Company
1934	National Ventilating Co cap $250 000 Henry Doscher pres John E Hartz v pres Louis A Dietz sec Therese Dublin treas	R. L. Polk & Co.
	Kanner Saml novelties	R. L. Polk & Co.
	Hartz John E sec treas Beton Farms Eng Corp	R. L. Polk & Co.
	Beton Forms Eng Corp NY R De Sousa pres J Hartz v pres treas concrete forms	R. L. Polk & Co.
	De Sousa R pres Beton Forms Eng Corp	R. L. Polk & Co.
	Gunther Advertising Tape Corp cap $10 000 Fred T Beidenbecke pres Ernest O Mego sec Forrest H Smith treas	R. L. Polk & Co.

1016 46TH AVE

Year	Uses	Source
2013	RANDEL MOLD & DIE CORP	Cole Information Services
2008	COVALENCE SPECIALTY MATERIALS	Cole Information Services
2005	Randel Mold & Die Corp	Hill-Donnelly Information Services
2000	Randel Plstcs Inc	Cole Information Services
	Carolyn Monastr	Cole Information Services
	Leslie Concanon	Cole Information Services
1991	RANDEL PLASTICS INC Custom Injection Molders	NYNEX Information Resource Company
	Conkling Katherine	NYNEX Information Resource Company
1983	Randel Plastics Inc	New York Telephone
	JP Hanger b	New York Telephone
1970	Randel Mold & Die Corp	New York Telephone
	Cahil Mfs Co	New York Telephone
1934	Imperial Paint Co cap $50 000 Aug Vogel pres Aug Vogel Jr sec Penrose R Perkins treas	R. L. Polk & Co.
	Impaco Products RTN Imperial Paint Co whol paints	R. L. Polk & Co.

1018 46TH AVE

Year	Uses	Source
1967	Sander Monroe Corp The lagrs & vrnshs	New York Telephone

FINDINGS

Year	Uses	Source
1967	Monroe Sander Corp The laqrs & vrnshs	New York Telephone
1962	Monroe Sander Corp The laqrs & vrnshs	New York Telephone Directory
	Sander Monroe Corp The laqrs & vrnshs	New York Telephone Directory
1939	Monroe Sander Corpn lacquers & varnishes	New York Telephone Company
	Sander Monroe Corpn lacquers & Varnishes	New York Telephone Company
	Salore Inc	New York Telephone Company

1022 46TH AVE

Year	Uses	Source
2013	DMP COMPANY INC	Cole Information Services

1024 46TH AVE

Year	Uses	Source
1945	Carpenter Morton Co Inc	New York Telephone
	Imperial Paint Co	New York Telephone
	United Varnish Co	New York Telephone
1939	Carpenter Morton Co Inc	New York Telephone Company
	Imperial Paint Co	New York Telephone Company

1025 46TH AVE

Year	Uses	Source
1934	Standard Motor products Corp NY Elias Fife pres treas Herman O Rosenstein sec	R. L. Polk & Co.

1026 46TH AVE

Year	Uses	Source
2013	PICKEREL PIE ENTERTAINMENT	Cole Information Services
2005	Macias Pl	Hill-Donnelly Information Services
2000	Margaret Heffeman	Cole Information Services
1991	Lyon Bill	NYNEX Information Resource Company
1983	Gross Howard	New York Telephone
	Wallington Motor Lines Inc	New York Telephone
1970	Astro Picture Frames & Moldings Corp	New York Telephone
1945	Monroe Sander Corp laqrs & varnshes	New York Telephone
	Sander Monroe Corp laqrs & varnshes	New York Telephone
1939	Eclipse Paint Mfg Co	New York Telephone Company
	Encore Palnt & Varnish Mfg Co	New York Telephone Company

FINDINGS

1027 46TH AVE

Year	*Uses*	*Source*
2013	JORGES UPHOLSTERY	Cole Information Services
	ROW NEW YORK INC	Cole Information Services
2008	JORGES UPHOLSTERY	Cole Information Services
	L C H UPHOLSTERY INC	Cole Information Services
	MITTMAN LEWIS INC	Cole Information Services
	SUCCESS PRODUCTION ADVERTISING INC	Cole Information Services
	RACK & PINION	Cole Information Services
	INDEPENDENT STUDIOS 1	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Barber Vivian	Hill-Donnelly Information Services
	Hogan Betty Ann 1 718 937 3582 + Numbr 4 Independent St	Hill-Donnelly Information Services
	Keano Monika	Hill-Donnelly Information Services
	LCH Upholstery Inc 11718433 0094 o	Hill-Donnelly Information Services
	Numbr 1 Lewis Mittman Inc	Hill-Donnelly Information Services
	Rayones Art Studio	Hill-Donnelly Information Services
	Risquez Geromino	Hill-Donnelly Information Services
	Success Advertising Is	Hill-Donnelly Information Services
	h Thulin A	Hill-Donnelly Information Services
2000	Independent	Cole Information Services
	Upholstery Inc	Cole Information Services
	Rayones Art Studio	Cole Information Services
	Schaumburger Anu	Cole Information Services
	Simpson Hester	Cole Information Services
	Thulin	Cole Information Services
	Vivian Barber	Cole Information Services
	Monika Keano	Cole Information Services
	Chahee Pickard	Cole Information Services
	Independent S	Cole Information Services
1991	Independent Studios	NYNEX Information Resource Company
1983	C G Graphics	New York Telephone
	Christie Arthur b	New York Telephone
	William Parry Architectural Woodwork	New York Telephone
1967	Imperial Reed & Rattan Furn Co	New York Telephone
1962	Imperial Reed & Rattan Furn Co	New York Telephone Directory
1945	Behrens Woolen Mills Inc	New York Telephone
	Imperial Reed & Fibre Co	New York Telephone

Year	Uses	Source
1939	Behrens Bros Silk Co Inc	New York Telephone Company
	Evans Elevator Equalizer Co	New York Telephone Company
	Hall T F Inc heatg	New York Telephone Company
	Mari E & O Inc muscl strings	New York Telephone Company
1934	Bradley Bldg	R. L. Polk & Co.

1028 46TH AVE

Year	Uses	Source
2013	TAI RUI TRADING INCORPORATED	Cole Information Services
1934	Rettinger Bros TN Geo Rettinger blksmlths	R. L. Polk & Co.

1034 46TH AVE

Year	Uses	Source
2005	Building Specialties Corp	Hill-Donnelly Information Services
	ir 718 468 7412 o	Hill-Donnelly Information Services
2000	Bldng Spclts Corp	Cole Information Services
1991	Building Specialties Corp	NYNEX Information Resource Company
1983	Building Specialties Corp	New York Telephone
1976	Building Specialties Corp	New York Telephone
1970	Building Sepecialties Corp	New York Telephone
1967	Building Specialties Corp	New York Telephone
1945	Escape Hatch Co The	New York Telephone

1036 46TH AVE

Year	Uses	Source
2005	Phillip Import Inc	Hill-Donnelly Information Services
	New Jingle Sportswear Inc	Hill-Donnelly Information Services
2000	Innerline Inc	Cole Information Services
	Park SE Woong	Cole Information Services
	Tammy C Ltd	Cole Information Services
1945	Queens Textile Mill Inc	New York Telephone
1939	Queens Textile Mill Inc	New York Telephone Company

1038 46TH AVE

Year	Uses	Source
2013	COMPUTERCOOL ICE AGE MECHANICAL CORP	Cole Information Services
2005	Tony Century Fashion Inc	Hill-Donnelly Information Services
1991	Aaron Fashion Knitwear Ltd	NYNEX Information Resource Company
1983	Aaron Fashion Knitwear Ltd	New York Telephone

FINDINGS

1040 46TH AVE

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	11TH ST INTS FROM	Cole Information Services
	Classic Exec Limo	Cole Information Services
1991	Duncan Long Inc	NYNEX Information Resource Company
	Metal Partition Sales Corp	NYNEX Information Resource Company
1983	Duncan Long Inc partitions	New York Telephone
1970	Miller R B Organztn Inc	New York Telephone
1967	Miller R B Organztn Inc	New York Telephone
1962	Todays Displays Inc	New York Telephone Directory
1945	Daly Steel Prods Co	New York Telephone
	Empire City Iron Works	New York Telephone
	Heffner S O rl est	New York Telephone
	Heffner S O rl est	New York Telephone
	Hefgold Realty Corpn off	New York Telephone
1939	Heffner S O rl est	New York Telephone Company
	Hefgold Realty Corpn off	New York Telephone Company
	Empire City Iron Works	New York Telephone Company
1934	Daly Steel Products Corp NY Cap $20 000 Leopold Heffner pres treas Nathan Heffner sec Simon O Heffner asst treas subsidiary of and controlled by Empire City Iron Wks	R. L. Polk & Co.
	Empire City Iron Works NY Leopold Heffner pres treas Nathan Heffner sec Simon O Heffner asst treas	R. L. Polk & Co.

11-15 46TH AVE

Year	Uses	Source
1950	SULLIVAN PHILIP T	New York Telephone
	TANALSKI JOS	New York Telephone
	TANALSKI WALTER A	New York Telephone
	W	New York Telephone
	ATKINSON MARGARET C	New York Telephone
	B	New York Telephone
	CANTANNO JOA	New York Telephone
	DALLEY JAS J	New York Telephone
	DELGADO JOS	New York Telephone
	ELLINGTON WM R	New York Telephone
	FLOWER ISIDORE	New York Telephone
	FREY FRANCES	New York Telephone

FINDINGS

Year	Uses	Source
1950	FRIEDER LOUIS	New York Telephone
	GANO R P	New York Telephone
	JUCHNIEWICZ JOHN F	New York Telephone
	LEVESQUE ETHEL M	New York Telephone
	LOTITO PATSY	New York Telephone
	OTT JOS	New York Telephone
	PICECE NICHOLAS M	New York Telephone
	POLACHEK ELY AL	New York Telephone
	RAUSCHWALD MARK	New York Telephone
	REID JOS J	New York Telephone

11-16 46TH AVE

Year	Uses	Source
1950	NICKS LUNCHEONETTE	New York Telephone

11-18 46TH AVE

Year	Uses	Source
1950	FLAACKE WM DELCTSN	New York Telephone

11-25 46TH AVE

Year	Uses	Source
1950	ABRAMS ROSE MRS	New York Telephone
	B	New York Telephone
	BURCH JOHN J	New York Telephone
	CAPPA ANGELO C	New York Telephone
	CARROLL FLORENCE A MRS	New York Telephone
	COHEN SAML	New York Telephone
	COSOMANO ANTHONY	New York Telephone
	EMANUEL GUS	New York Telephone
	GARRAMONE PATSY	New York Telephone
	GARVEY JAS T	New York Telephone
	GELTER FRANK	New York Telephone
	J M E TRANSPTN	New York Telephone
	JAKOBLAK FRANCIS J	New York Telephone
	JUTT WM E	New York Telephone
	MCCABE MARY MRS	New York Telephone
	ODONNELL JOHN	New York Telephone
	PHOTAKIS EVELYN	New York Telephone
	PINES BROS INDUSTRL PAINTRS	New York Telephone

Year	Uses	Source
1950	REINFURT GEO	New York Telephone
	S	New York Telephone
	SCHMIDT ALFRED	New York Telephone
	SPERO MICHL A	New York Telephone
	TOSCANO PAULA MRS	New York Telephone
	VERSACI BESSIE M	New York Telephone

11-26 46TH AVE

Year	Uses	Source
1950	WOLVERINE TUBE DIV OF CALUMET & HECLA CONSOLIDATD COPPER CO INC	New York Telephone

11-30 46TH AVE

Year	Uses	Source
1950	YORK DISTRIBUTRS INC	New York Telephone
	YORK CORP COML DIV	New York Telephone

11-31 46TH AVE

Year	Uses	Source
1950	SCHULTZ CHAS A B	New York Telephone
	SIMONDS JOHN F B	New York Telephone
	RAAB G R B	New York Telephone
	RAAB G R B	New York Telephone
	BOSTWICK G B B J	New York Telephone

11-42 46TH AVE

Year	Uses	Source
1950	MEMENTO ASSOCIATES	New York Telephone
	AMER HOME FOODS INC N Y DIST SALES OFC	New York Telephone
	PELLICANO ANTHONY PAINTNG & DECORATG	New York Telephone
	ROSEN H CONTR	New York Telephone

11-48 46TH AVE

Year	Uses	Source
1950	WURM J DENTAL ENAMEL CO	New York Telephone

1103 46TH AVE

Year	Uses	Source
1991	British Publications Inc	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Elite Publshng Corp	NYNEX Information Resource Company
	European Film P T V Inc	NYNEX Information Resource Company
	European Media Reps Inc	NYNEX Information Resource Company
	European Publishers Reps Inc	NYNEX Information Resource Company
	Italian Advtng Co Inc	NYNEX Information Resource Company
	Italian Publicatns Inc	NYNEX Information Resource Company
	Italian Television Co Inc	NYNEX Information Resource Company
	Western Hemisphere Publishers Reps Inc	NYNEX Information Resource Company
1983	Elite Publishing	New York Telephone
	EUROBOOKS MAIL ORDER LIBRARY	New York Telephone
	European Film P T V Inc	New York Telephone
	European Media Reps Inc	New York Telephone
	European Publshrs Representatives Inc	New York Telephone
	French Book Guild	New York Telephone
	Italian Adving Co Inc	New York Telephone
	Italian Publicatns Inc	New York Telephone
	Italian Television Co Inc	New York Telephone
	Western Hemisphere Publishers Reps Inc	New York Telephone
	British Publications Inc	New York Telephone
	Continental Book Co	New York Telephone
1976	French Book Guild	New York Telephone
	British Publications Inc	New York Telephone
	Continental Book Co	New York Telephone
	Elite Publishing	New York Telephone
	Eurobooks Mail Order Library	New York Telephone
	European Film P T V Inc	New York Telephone
	European Media Reps Inc	New York Telephone
	European Publshrs Representatives Inc	New York Telephone
	Italian Advtng Co Inc	New York Telephone
	Italian Publicatns Inc	New York Telephone
	Italian Television Co Inc	New York Telephone
1970	Coldelit Corp of Amer	New York Telephone

1114 46TH AVE

Year	Uses	Source
2013	46TH AVE PLUMBING & SEWER	Cole Information Services
2005	Numbr 3 G h Wingate L D v Y 718 937 1420 oi	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 4 E Balazs Jorge	Hill-Donnelly Information Services
	Numbr 4 A Benson Thomas M	Hill-Donnelly Information Services
	Carsmnan Marian L	Hill-Donnelly Information Services
	Numbr 41 Creighton Robert A	Hill-Donnelly Information Services
	E h Defreitas Frank J 718 786 3671 68e	Hill-Donnelly Information Services
	Numbr BSMT h Feldstein Llaudia	Hill-Donnelly Information Services
	Numbr 4 H Frome	Hill-Donnelly Information Services
	Frome Jason	Hill-Donnelly Information Services
	Numbr 3 C Goetl David v	Hill-Donnelly Information Services
	Numbr 2D Hunt	Hill-Donnelly Information Services
	Numbr l Fh King Wayne	Hill-Donnelly Information Services
	Numbr 2 C Mendoza Betheddie	Hill-Donnelly Information Services
	Numbr 23 h Morano Kathleen	Hill-Donnelly Information Services
	h Pizzitola E	Hill-Donnelly Information Services
	Numbr 3 F Quinones Adrienne	Hill-Donnelly Information Services
	Quinones William p	Hill-Donnelly Information Services
	Numbr 2 C a Romeo Ri	Hill-Donnelly Information Services
	Numbr 4 F Siguencia Julia	Hill-Donnelly Information Services
	Numbr 3 H St Sauver Jason v	Hill-Donnelly Information Services
	h Taylor Sara v	Hill-Donnelly Information Services
	Numbr 30 Thorpe J	Hill-Donnelly Information Services
	Whitehouse Phyllis	Hill-Donnelly Information Services
2000	Apartments	Cole Information Services
	E Jorge Balazs	Cole Information Services
1996	FROME Jason	NYNEX
1991	Jorquera Flora	NYNEX Information Resource Company
	Balazs Jorge	NYNEX Information Resource Company
	Bedrosian G	NYNEX Information Resource Company
	Belardo A	NYNEX Information Resource Company
	Calderon Alex	NYNEX Information Resource Company
	Chauncey Edwin	NYNEX Information Resource Company
	Corkhill Olga	NYNEX Information Resource Company
	De Freitas Frank J	NYNEX Information Resource Company
	Frome Jason	NYNEX Information Resource Company
	Gallo Michael	NYNEX Information Resource Company
	Grosky Reid	NYNEX Information Resource Company
	Hush Michele	NYNEX Information Resource Company
	Morsette Z	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	OGara Kevin	NYNEX Information Resource Company
	Plummer V	NYNEX Information Resource Company
	Rabin Eliott	NYNEX Information Resource Company
	Robertson James R	NYNEX Information Resource Company
	Robins Richard	NYNEX Information Resource Company
	Saggerson Neil	NYNEX Information Resource Company
	Schneider Paul	NYNEX Information Resource Company
	Sprechman Jordan	NYNEX Information Resource Company
	Talpa Joe	NYNEX Information Resource Company
	Walling Walter F	NYNEX Information Resource Company
	Wittman Anne	NYNEX Information Resource Company
	Woods Charles	NYNEX Information Resource Company
	Ziegler B	NYNEX Information Resource Company
1983	Jorquera Flora	New York Telephone
	Balazs Jorge	New York Telephone
	Belardo A	New York Telephone
	Bracken Michael	New York Telephone
	Brown Robert H Jr	New York Telephone
	Chauncey Edwin	New York Telephone
	Corkhill Olga	New York Telephone
	Cunanan Ernesto	New York Telephone
	De Freitas Frank J	New York Telephone
	Jehle Geo R	New York Telephone
	Kingsbury E Mar	New York Telephone
	Koutsos Paul	New York Telephone
	Murray J P Mrs	New York Telephone
	Norman Dara	New York Telephone
	Pinto Grace Mrs	New York Telephone
	Ramirez G	New York Telephone
	Santiago Richard	New York Telephone
	Serra Francisco M	New York Telephone
	Serra Jorge	New York Telephone
	Serra Luis	New York Telephone
	Sorrell M	New York Telephone
	Spettmann Joseph	New York Telephone
	Spivack L	New York Telephone
	Talpa Joe	New York Telephone
	Taylor J A	New York Telephone

FINDINGS

Year	Uses	Source
1983	Terzian Vasken	New York Telephone
	Thomsen T K	New York Telephone
	Williamson M	New York Telephone
	Dziewanowski Jas	New York Telephone
1976	Aquino Carlito	New York Telephone
	Balazs Jorge	New York Telephone
	Belardo A	New York Telephone
	Chauncey Edwin	New York Telephone
	Clifford Agnes Mrs	New York Telephone
	Corkhill Edw J	New York Telephone
	De Freitas Frank J	New York Telephone
	Dimasin S A	New York Telephone
	Fazzi G L	New York Telephone
	Ferro Jose A	New York Telephone
	Forrester Deborah	New York Telephone
	Hice J	New York Telephone
	Hyland Mae E	New York Telephone
	Kull Paul Mrs	New York Telephone
	Mancini Mario	New York Telephone
1970	Corkhill Edw J	New York Telephone
	DeFreitas Frank J	New York Telephone
	Fischetti Jos	New York Telephone
	Glaser Carole L	New York Telephone
	Haner Caroline	New York Telephone
	Hyland Mae E	New York Telephone
	Jehle Geo R	New York Telephone
	Kennedy Margaret	New York Telephone
	Keough Wm	New York Telephone
	Kull Paul Mrs	New York Telephone
	Lomnicki John	New York Telephone
	McLellan Jas A	New York Telephone
	Murray J P Mrs	New York Telephone
	Robinson Selma Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Shaw Mary Mrs	New York Telephone
	Smyth Marie	New York Telephone
	Styles Geraldine	New York Telephone
	Belardo A	New York Telephone

FINDINGS

Year	Uses	Source
1970	Benson Ben	New York Telephone
	Chauncey Edwin	New York Telephone
	Clifford Agnes Mrs	New York Telephone
	Jerome Frank H	New York Telephone
	Jerome Gary	New York Telephone
1967	Belardo A	New York Telephone
	Benson Ben	New York Telephone
	Burch John P Jr	New York Telephone
	Caezza Vincent M	New York Telephone
	Chauncey Lvynn E	New York Telephone
	Corkhill Edw J	New York Telephone
	Covell M P	New York Telephone
	Fischetti Jos	New York Telephone
	Haner Caroline	New York Telephone
	Hyland Mae E	New York Telephone
	Jehle Geo R	New York Telephone
	Kennedy Patk F	New York Telephone
	Keough Wm	New York Telephone
	Kull Paul Mrs	New York Telephone
	Lomnicki John	New York Telephone
	McLellan Jas A	New York Telephone
	Murray J P Mrs	New York Telephone
	Robinson Selma Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Shaw Mary Mrs	New York Telephone
	Smyth Marie	New York Telephone
	Streuber Antonie	New York Telephone
	Vine Agnes Mrs	New York Telephone
1962	Apel Gustav F	New York Telephone Directory
	Belardo A	New York Telephone Directory
	Benson Ben	New York Telephone Directory
	Caezza Vincent N	New York Telephone Directory
	Connolly Thos	New York Telephone Directory
	Corkhil Edw J	New York Telephone Directory
	Covell Mary P Mrs	New York Telephone Directory
	Cullen Mae Agnes	New York Telephone Directory
	Fischetti Jos	New York Telephone Directory
	Haner Caroline	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Hyland Mae E	New York Telephone Directory
	Jehle Geo R	New York Telephone Directory
	Kennedy Patk F	New York Telephone Directory
	Keough Wm	New York Telephone Directory
	McLellan Jas A	New York Telephone Directory
	Mulligan Gordon	New York Telephone Directory
	Murray J P Mrs	New York Telephone Directory
	Robinson Selma Mrs	New York Telephone Directory
	Rowan Jeanette Mrs	New York Telephone Directory
	Shaw Mary Mrs	New York Telephone Directory
	Smyth Marie	New York Telephone Directory
	Streuber Antonie	New York Telephone Directory
	Vine Agens Mrs	New York Telephone Directory
1945	Astey Helen M	New York Telephone
	Charles Christina E Mrs	New York Telephone
	McCarthy T Mrs	New York Telephone
	Moloney Mary Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Wm	New York Telephone
	Wilson Danl Mrs	New York Telephone
1939	Behrens Ernest	New York Telephone Company
	Charles Pauline B	New York Telephone Company
	Mc Carthy Margaret V	New York Telephone Company
	Moloney Mary Mrs	New York Telephone Company
	Tancredi J M Miss	New York Telephone Company
1934	Alvaranga Anthony clk	R. L. Polk & Co.
	Alvaranga Ella Wid Aubrey	R. L. Polk & Co.
	Alvaranga Oswald clk	R. L. Polk & Co.
	Campeau Beth singer	R. L. Polk & Co.
	Casanova Teobaldo Carmen asst eng Pres Bror Q	R. L. Polk & Co.
	Corcoran Wm J real est agt	R. L. Polk & Co.
	Freidman Jesse D Rhoda phys	R. L. Polk & Co.
	Friedman Jesse D Rhoda phys	R. L. Polk & Co.
	Hand John jr Anna sctor	R. L. Polk & Co.
	Henley Cath candy pkr	R. L. Polk & Co.
	Hopwood Geo Cath stonectr	R. L. Polk & Co.
	Hyland Leslie May sheet metalwkr	R. L. Polk & Co.
	Jakobiak Francs J Dora traffic mgr	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Mc Carthy Thos Cath	R. L. Polk & Co.
	Minott Paul Ellen clk	R. L. Polk & Co.
	Murray John E Agnes collr Mhn	R. L. Polk & Co.
	Nine Wm Emily bldg supt	R. L. Polk & Co.
	Oliver Mary A walter	R. L. Polk & Co.
	Rowan Jeanette Mrs	R. L. Polk & Co.
	Scott Alice	R. L. Polk & Co.
	Scott Vera	R. L. Polk & Co.
	Shea Patk Alice tinsmith	R. L. Polk & Co.
	Smith Alice wid Timothy	R. L. Polk & Co.
	Smith Constance A G tchr	R. L. Polk & Co.
	Sokol DAvid Ida Sokol Pharmacy	R. L. Polk & Co.
	Thornton Chas Sybil clk	R. L. Polk & Co.
	Waldron Jas Margt	R. L. Polk & Co.
	Waldron Thos inspr	R. L. Polk & Co.
	Waldron Wm	R. L. Polk & Co.
	Waldron Wm jr carp	R. L. Polk & Co.

1115 46TH AVE

Year	Uses	Source
2008	SHINE ELECTRONICS INC	Cole Information Services

1124 46TH AVE

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 2 H h Asitimbay Luis	Hill-Donnelly Information Services
	Numbr BSMT h Banu Claudiu v	Hill-Donnelly Information Services
	Bautista Blanca Lydia v	Hill-Donnelly Information Services
	Bromberg r	Hill-Donnelly Information Services
	Numbr 4 Ch Callanta Aurora AT	Hill-Donnelly Information Services
	Numbr 2 F Cemente Beatrice	Hill-Donnelly Information Services
	Numbr 4 F 1 Ellis R	Hill-Donnelly Information Services
	Numbr 4 E h Gallagher Bessie	Hill-Donnelly Information Services
	Gheorghlta Sandica	Hill-Donnelly Information Services
	Guallpa Segundo	Hill-Donnelly Information Services
	Numbr 11 h Herrera Cedlia	Hill-Donnelly Information Services
	Numbr 3 J Hosie Raymond	Hill-Donnelly Information Services
	Numbr 38 Kim John	Hill-Donnelly Information Services
	Numbr 4D h Levy Murray	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 2 G h MNizquiri Ramon	Hill-Donnelly Information Services
	Numbr 4 J Morales Hermllo v	Hill-Donnelly Information Services
	Pastuzaca Juana	Hill-Donnelly Information Services
	Numbr 20 Perez George	Hill-Donnelly Information Services
	Numbr 33 Sollenberger Michael A v7	Hill-Donnelly Information Services
	Numbr 2 E Tellez A Ida M	Hill-Donnelly Information Services
	Zhumi Wilson	Hill-Donnelly Information Services
2000	Apartments Jose Asitimbay	Cole Information Services
	Luis Asitimbay	Cole Information Services
	Blanca L Bautist	Cole Information Services
	Vanessa Bekk	Cole Information Services
	Aurora Callant	Cole Information Services
1991	Almodovar M	NYNEX Information Resource Company
	Castro Sivo	NYNEX Information Resource Company
	Diaz Iris	NYNEX Information Resource Company
	Diaz T	NYNEX Information Resource Company
	Dubovetz Adolph	NYNEX Information Resource Company
	Ellis R	NYNEX Information Resource Company
	Epure Gheorghe	NYNEX Information Resource Company
	Gallagher Bessie	NYNEX Information Resource Company
	Herrera M	NYNEX Information Resource Company
	Hosie Raymond	NYNEX Information Resource Company
	Kamen David M	NYNEX Information Resource Company
	Kenny Thos	NYNEX Information Resource Company
	Lee D	NYNEX Information Resource Company
	Levy Murray	NYNEX Information Resource Company
	Perez George	NYNEX Information Resource Company
	Perez George	NYNEX Information Resource Company
	Roman Washington	NYNEX Information Resource Company
	Taub Howard	NYNEX Information Resource Company
	Cacahimbo Graciela	NYNEX Information Resource Company
	Coello Patricia	NYNEX Information Resource Company
	Rossby Richard	NYNEX Information Resource Company
1983	Schmidt B J	New York Telephone
	Small Jas	New York Telephone
	Torres Willy	New York Telephone
	Walstein Van Allen	New York Telephone
	Cacahimbo Graciela	New York Telephone

FINDINGS

Year	Uses	Source
1983	Castro Leonardo	New York Telephone
	Castro Silvio	New York Telephone
	Constantine K	New York Telephone
	Dubovetz Norman	New York Telephone
	Gallagher Bessie	New York Telephone
	Herrera B	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny Thos	New York Telephone
	Levy Murray	New York Telephone
	Logan P V	New York Telephone
	Mendez Tom	New York Telephone
	Perez George	New York Telephone
	Rojas Angel	New York Telephone
	Rosario Fernando	New York Telephone
	Scharff Carrie Mrs	New York Telephone
1976	Ellis J	New York Telephone
	Gallagher Bessle	New York Telephone
	Geagan John	New York Telephone
	Herrera Blanca	New York Telephone
	Kenny John H	New York Telephone
	Kenny Thos	New York Telephone
	Levine Robert	New York Telephone
	Levy Murray	New York Telephone
	Camareno Agustine	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Dubovetz Norman	New York Telephone
1970	Kenny Thos	New York Telephone
	Levy Murray	New York Telephone
	Lozada Luis	New York Telephone
	Palacios Enrique	New York Telephone
	Pedi G C	New York Telephone
	Pelletier P J	New York Telephone
	Platte Jerry	New York Telephone
	Rojas Saturnino	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Sheppard Wm C Jr	New York Telephone
	Small Jas	New York Telephone
	Wellstood Jas C	New York Telephone

FINDINGS

Year	Uses	Source
1970	Wilson Max	New York Telephone
	Bisignani Molly R	New York Telephone
	Cerra C	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Ellis J	New York Telephone
	Gallagher Bessie	New York Telephone
	Gambale Joseph	New York Telephone
	Geagan John	New York Telephone
	Harris C	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny John H	New York Telephone
1967	Asaro Anthony Mrs	New York Telephone
	Baldi Frank	New York Telephone
	Bisignani Molly R	New York Telephone
	Bissainthe Serge	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Ellis Robt Mrs	New York Telephone
	Finn Alexndr J	New York Telephone
	Gallagher Bessie	New York Telephone
	Geagan John	New York Telephone
	Goldner H	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny John H	New York Telephone
	Kenny Thos	New York Telephone
	Kohler John M	New York Telephone
	Levy Murray	New York Telephone
	Pastuszek Andrew I	New York Telephone
	Pelletier P J	New York Telephone
	Ruffino Anthony	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Schiedat Ernest S	New York Telephone
	Sheppard Wm C Jr	New York Telephone
	Small Jas	New York Telephone
	Stepanek Eva Aglaja	New York Telephone
	Stepanek Francis L	New York Telephone
	Waryold Frank P	New York Telephone
	Wellstood Jas C	New York Telephone
	Wilson Max	New York Telephone

FINDINGS

Year	Uses	Source
1962	Scharff Carrie Mrs	New York Telephone Directory
	Sharkey Jas	New York Telephone Directory
	Sheppard Eddie	New York Telephone Directory
	Sheppard Wm C Jr	New York Telephone Directory
	Small Jas	New York Telephone Directory
	Stepanek Eva Aglaja	New York Telephone Directory
	Stepanek Francis L	New York Telephone Directory
	Visser Adrianus	New York Telephone Directory
	Waryold Frank P	New York Telephone Directory
	Wilson Max	New York Telephone Directory
	Ambrosini Frank G	New York Telephone Directory
	Baldi Frank	New York Telephone Directory
	Bisignani Molly R	New York Telephone Directory
	Cohletti Geo	New York Telephone Directory
	DiSerio John	New York Telephone Directory
	Ferrini Julius	New York Telephone Directory
	Galassi Chas P	New York Telephone Directory
	Gallagher Bessie	New York Telephone Directory
	Geagan John	New York Telephone Directory
	Goldner Alex	New York Telephone Directory
	Hosie Raymond	New York Telephone Directory
	Kenny John H	New York Telephone Directory
	Kenny Thos	New York Telephone Directory
	McInerney Wm Jr	New York Telephone Directory
	Morgan Margaret M	New York Telephone Directory
	Newport Catherine Mrs	New York Telephone Directory
	Pedi Gertrude X	New York Telephone Directory
	Pelletier P J	New York Telephone Directory
	Platte Jerry	New York Telephone Directory
	Poletski Frank	New York Telephone Directory
1945	Acme Exterminating Co	New York Telephone
	Burnor Harry A	New York Telephone
	Ferrini Julius	New York Telephone
	Fioretti Carrie	New York Telephone
	Branch	New York Telephone
	Geagan John	New York Telephone
	Goldner Alex	New York Telephone
	McDonough Sarah C RN	New York Telephone

FINDINGS

Year	Uses	Source
1945	Nestler Geo linolm	New York Telephone
	Piekema Susan	New York Telephone
	Sanders Max	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Stack Bertha Mrs	New York Telephone
	Branch	New York Telephone
	LIC office	New York Telephone
1939	Geagan John	New York Telephone Company
	Goldner Alex	New York Telephone Company
	Heidrich Carl	New York Telephone Company
	Stack Bertha Mrs	New York Telephone Company
	Curran John	New York Telephone Company
1934	Benedikt Simon Mary E carn	R. L. Polk & Co.
	Borngesser Balthasar Cath	R. L. Polk & Co.
	Braschi Resta Dora indrywkr	R. L. Polk & Co.
	Brosi Frank Marie garage	R. L. Polk & Co.
	Burnes Dolores tel opr	R. L. Polk & Co.
	Burnes Edw Margt hlpr	R. L. Polk & Co.
	Counumber Romeo mech	R. L. Polk & Co.
	Donovan Cath	R. L. Polk & Co.
	Ferino Martin Ethlel traffic mgr	R. L. Polk & Co.
	Geoghan John chauf	R. L. Polk & Co.
	Losquardo Frances wid Jos	R. L. Polk & Co.
	Losquardo Jos clk	R. L. Polk & Co.
	Losquardo Margt slswn Mhn	R. L. Polk & Co.
	Losquardo Mary dress opr	R. L. Polk & Co.
	Lynskey Agnes wid Thos	R. L. Polk & Co.
	Mc Keough Jos Agnes chauf	R. L. Polk & Co.
	Olsen Marie tchr Queens Conta Sch	R. L. Polk & Co.
	Rannie Joy Mrs	R. L. Polk & Co.
	Rock Jas Rose pntr	R. L. Polk & Co.
	Shooter Cicely clk	R. L. Polk & Co.
	Shooter Geo Anna bldg supt	R. L. Polk & Co.
	Smillie Wm Esther rec clk	R. L. Polk & Co.
	Stack Thos Bertha chauf	R. L. Polk & Co.
	Ward Edw Helen clk	R. L. Polk & Co.
	Wiant Henry M heating	R. L. Polk & Co.
	Windhorst Anna nurse	R. L. Polk & Co.

Year	Uses	Source
1934	Goldner Arth Mge sta eng	R. L. Polk & Co.
	Goldner Geo typist	R. L. Polk & Co.
	Kiefer Cath Mrs nurse	R. L. Polk & Co.
	Kotronis Benj Sarah restr Mhn	R. L. Polk & Co.
	Leone Philip Mary ice dlr	R. L. Polk & Co.
	Levy Miriam	R. L. Polk & Co.
	Losquardo Chas ice	R. L. Polk & Co.
	Barchak	R. L. Polk & Co.
	Losquardo Jennie drs opr	R. L. Polk & Co.

1125 46TH AVE

Year	Uses	Source
1934	Lisanti Thos J Theresa firemn Dept WSG & E	R. L. Polk & Co.

1133 46TH AVE

Year	Uses	Source
1976	Receiving Dept	New York Telephone
1970	Receiving Dept	New York Telephone
1967	Receiving Dept	New York Telephone

1140 46TH AVE

Year	Uses	Source
2000	21ST ST INTS FROM	Cole Information Services
1934	Frisbie Edw W Irene pres Bowron Transfer Co Inc	R. L. Polk & Co.

1149 46TH AVE

Year	Uses	Source
1983	Queensboro Drawing Board Inc	New York Telephone

1220 46TH AVE

Year	Uses	Source
1939	Winkworth K M	New York Telephone Company

1314 46TH AVE

Year	Uses	Source
1991	Callas Peter	NYNEX Information Resource Company

1324 46TH AVE

Year	Uses	Source
1991	Tejada Idalia	NYNEX Information Resource Company

FINDINGS

1424 46TH AVE

Year	Uses	Source
1967	Platte Jerry	New York Telephone

1716 46TH AVE

Year	Uses	Source
2005	Marra J	Hill-Donnelly Information Services

1882 46TH AVE

Year	Uses	Source
1991	Troy J Auto	NYNEX Information Resource Company

20-04 46TH AVE

Year	Uses	Source
1950	BLASS EDW	New York Telephone

20-06 46TH AVE

Year	Uses	Source
1950	HANKE HERMAN	New York Telephone

20-08 46TH AVE

Year	Uses	Source
1950	PARODY AUBREY J JR	New York Telephone

20-10 46TH AVE

Year	Uses	Source
1950	GOLIASH JOS A	New York Telephone

20-12 46TH AVE

Year	Uses	Source
1950	ROSEBERRY ROBT C LT	New York Telephone

20-14 46TH AVE

Year	Uses	Source
1950	DUNTON JOHN T	New York Telephone

20-18 46TH AVE

Year	Uses	Source
1950	POVERELLI SAM	New York Telephone

20-20 46TH AVE

Year	Uses	Source
1950	OLM GEO	New York Telephone

FINDINGS

20-22 46TH AVE

Year	Uses	Source
1950	REVMAN J	New York Telephone

20-24 46TH AVE

Year	Uses	Source
1950	SMITH HARRY J	New York Telephone

20-25 46TH AVE

Year	Uses	Source
1950	JACOBSEN FRANK	New York Telephone

20-26 46TH AVE

Year	Uses	Source
1950	MULCAHY DAVID	New York Telephone

20-27 46TH AVE

Year	Uses	Source
1950	RUH CHAS F	New York Telephone

20-33 46TH AVE

Year	Uses	Source
1950	DI CICCO DOMINICK	New York Telephone

20-35 46TH AVE

Year	Uses	Source
1950	ROCHA ANTONIO	New York Telephone

20-37 46TH AVE

Year	Uses	Source
1950	WOLD JOHN F	New York Telephone

20-41 46TH AVE

Year	Uses	Source
1950	GOLINI UMBERTO	New York Telephone
	DADDARIO JOHN	New York Telephone

20-43 46TH AVE

Year	Uses	Source
1950	PARRIS GEO	New York Telephone

FINDINGS

20-45 46TH AVE

Year	Uses	Source
1950	CAVALLO BURTON J	New York Telephone

20-47 46TH AVE

Year	Uses	Source
1950	MANCHISI PETER M	New York Telephone

20-48 46TH AVE

Year	Uses	Source
1950	SMITH BERNARD MRS	New York Telephone

20-49 46TH AVE

Year	Uses	Source
1950	LA ROSA CHAS	New York Telephone

20-51 46TH AVE

Year	Uses	Source
1950	URICCHIO ANTHONY	New York Telephone

20-52 46TH AVE

Year	Uses	Source
1950	ZAVOLL GINO	New York Telephone
	GOLDER CLARENCE S	New York Telephone

20-53 46TH AVE

Year	Uses	Source
1950	HOLDEN LEON	New York Telephone

20-54 46TH AVE

Year	Uses	Source
1950	STEMPEL ROBT L	New York Telephone
	WALSH ANN M	New York Telephone

20-55 46TH AVE

Year	Uses	Source
1950	H	New York Telephone

20-56 46TH AVE

Year	Uses	Source
1950	BARBERE BENJ	New York Telephone

FINDINGS

20-57 46TH AVE

Year	Uses	Source
1950	OKEEFE EDW A	New York Telephone

2038 46TH AVE

Year	Uses	Source
1991	Zammit Joseph	NYNEX Information Resource Company

2040 46TH AVE

Year	Uses	Source
1945	Hefgold Realty Corpn off	New York Telephone

46TH RD

1029 46TH RD

Year	Uses	Source
2013	AVA PERFORMANCE	Cole Information Services
2008	A V A PERFORMANCE INC	Cole Information Services

1030 46TH RD

Year	Uses	Source
2008	HENDRY ASSOCIATES	Cole Information Services
2005	H Hendry Diane	Hill-Donnelly Information Services
2000	Diane Hendry	Cole Information Services
1983	Oddo T F	New York Telephone
	Vendetti Eleanor I	New York Telephone
1970	Vendetti Eleanor I	New York Telephone
1967	Vendetti Anthony R	New York Telephone
	Vendetti Eleanor I	New York Telephone
1962	Vendetti Anthony R	New York Telephone Directory
	Vendetti Eleanor I	New York Telephone Directory
1934	Grosso Jos Phoebe capt	R. L. Polk & Co.
	Vallone Rocco Margt auto pntr	R. L. Polk & Co.
	Vendetto Angelina pkr	R. L. Polk & Co.
	Vendetto Eleanor fcty wkr	R. L. Polk & Co.
	Vendetto Michl Josephine porter	R. L. Polk & Co.
	Vendetto Michl jr mixer	R. L. Polk & Co.
	Vendetto Nicholas msngr	R. L. Polk & Co.

FINDINGS

1031 46TH RD

Year	Uses	Source
1967	House of Food Gifts Inc	New York Telephone
1962	House of Food Gifts Inc	New York Telephone Directory
1934	Mason Edw lab	R. L. Polk & Co.

1032 46TH RD

Year	Uses	Source
1945	Bowron Transfer Co	New York Telephone

1034 46TH RD

Year	Uses	Source
1962	Consolidatd Oil & Supl Co	New York Telephone Directory
1934	Consolidated Oil & Supply co RTN Saml Berkowits lubricating oils	R. L. Polk & Co.

1035 46TH RD

Year	Uses	Source
1945	Gray Selma	New York Telephone
	Kempf Chas H	New York Telephone
	Grau Lillian E	New York Telephone
1939	Grau Lillie E	New York Telephone Company
	Gray Selma	New York Telephone Company
1934	Mulligan Jas Lillian janitor	R. L. Polk & Co.
	Grau Selma tel opr	R. L. Polk & Co.
	Grau Emil	R. L. Polk & Co.
	Mc Entyre Peter clk dept taxes	R. L. Polk & Co.

1037 46TH RD

Year	Uses	Source
2013	EMPIRE CITY IRON WKS	Cole Information Services
2008	EMPIRE CITY IRON WORKS	Cole Information Services
	BUILDING SPECIALTIES CORP	Cole Information Services
2005	Heff Ser OS A	Hill-Donnelly Information Services
	Empire Iron City Works	Hill-Donnelly Information Services
2000	Empire Cty Irn Wks	Cole Information Services
	Heffner Ri Est	Cole Information Services
1991	Heffner S O rl est	NYNEX Information Resource Company
	Hefgold Realty Co ofc	NYNEX Information Resource Company
1983	Hefgold Realty Co ofc	New York Telephone
	Heffner S O rlest	New York Telephone

FINDINGS

Year	Uses	Source
1976	Heffgold Realty Co ofc	New York Telephone
	Heffner S O rl est	New York Telephone
	Empire City Iron Wks	New York Telephone
1970	Empire City Iron Wks	New York Telephone
	Heffner S O rl est	New York Telephone
	Hefgold Realty Co off	New York Telephone
1967	Hefgold Realty Co ofc	New York Telephone
	Heffner S O rl est	New York Telephone
	Empire City Iron Wks	New York Telephone
1962	Hefgold Realty Corp ofc	New York Telephone Directory
	Heffner S O rl est	New York Telephone Directory
	Empire City Iron Wks	New York Telephone Directory
1945	Smith Jos	New York Telephone
1939	Smith Jos	New York Telephone Company
1934	Lang Helen wid Wm	R. L. Polk & Co.

1038 46TH RD

Year	Uses	Source
2013	24 TOWING & FLAT FIX 7 DAYS	Cole Information Services
	UNESCO NATIONAL SERVICES LLC	Cole Information Services
2005	City Media Concepts Inc	Hill-Donnelly Information Services
	National Environmental Safety	Hill-Donnelly Information Services
	Recepta Sign	Hill-Donnelly Information Services
	Zucker Water Svc Corp 1 o	Hill-Donnelly Information Services
2000	DJM Contrng Inc	Cole Information Services
	Ctywd Environ Svcs	Cole Information Services
1991	Zucker Water Service Corp	NYNEX Information Resource Company
1983	Zucker Water Service Corp	New York Telephone
1970	ZUCKER WATER SVCE CORP	New York Telephone
1967	Zucker Water Svce Corp	New York Telephone

1039 46TH RD

Year	Uses	Source
1945	Streilein Gertrude	New York Telephone
1934	Streilein Mary forwn	R. L. Polk & Co.
	Zimmer Walter R crane opr	R. L. Polk & Co.
	Streilein Geo Kath lab	R. L. Polk & Co.
	Coln Emidio Fannie lab	R. L. Polk & Co.
	Streilein Elsie wrapper	R. L. Polk & Co.

FINDINGS

1040 46TH RD

Year	Uses	Source
1967	Towell Mary E Mrs	New York Telephone
1934	Mc Groary Connell Lillan porter	R. L. Polk & Co.
	King Chas Anna slsmn	R. L. Polk & Co.

1041 46TH RD

Year	Uses	Source
1945	Amato Frank	New York Telephone
1934	Killian Frank mech	R. L. Polk & Co.
	Curre Allan A police	R. L. Polk & Co.
	Capozzi Jos A Mildred phys	R. L. Polk & Co.
	Bedford Harold Alice ship clk	R. L. Polk & Co.
	Bedford Gecil prsmn	R. L. Polk & Co.
	Acampora Angelo A Phys	R. L. Polk & Co.

1042 46TH RD

Year	Uses	Source
1967	Jerome T	New York Telephone
1962	Jerome T	New York Telephone Directory
1934	Jerome Anthony Theresa lab	R. L. Polk & Co.
	Tucciarone John Elizabeth slsmn	R. L. Polk & Co.
	Maurd Esther clk	R. L. Polk & Co.

1043 46TH RD

Year	Uses	Source
1945	Foley Harold	New York Telephone
1939	Spera Rocco	New York Telephone Company
1934	Fiazio Alf Sarah gro	R. L. Polk & Co.
	Spero Rocco Nellie carp	R. L. Polk & Co.
	Morano Frank Florence tailor	R. L. Polk & Co.

1044 46TH RD

Year	Uses	Source
2005	HShah M U o	Hill-Donnelly Information Services
	Rohrer Meilin	Hill-Donnelly Information Services
2000	Abubaker Ahmed	Cole Information Services
	Neil Deodhar	Cole Information Services
	Prema Deodhar	Cole Information Services
	Randall Haworth	Cole Information Services
	Suresh Panjabi	Cole Information Services

FINDINGS

Year	Uses	Source
2000	P Yog	Cole Information Services
1991	Galassi Chas P	NYNEX Information Resource Company
1983	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1976	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1970	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1967	Galassi Chas P	New York Telephone
	Duffy Jas	New York Telephone
1962	Soriano Vincent A	New York Telephone Directory
1945	Soriano R	New York Telephone
1939	Soriano R	New York Telephone Company
1934	Soriano Carmelia wid Jas	R. L. Polk & Co.
	Soriano Frank lab	R. L. Polk & Co.
	Soriano Rocco Jennie refr eng	R. L. Polk & Co.

1045 46TH RD

Year	Uses	Source
1939	Foley Harold	New York Telephone Company
1934	Foley Horold J Eleanor acct Comnr of Accts	R. L. Polk & Co.
	Kirsch Louise	R. L. Polk & Co.

1046 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
1945	Howley A A	New York Telephone
1939	Howley A A	New York Telephone Company
1934	Howley Anne A fctywkr	R. L. Polk & Co.
	Howley Mary fctywkr	R. L. Polk & Co.
	Howley Susan wid Martin	R. L. Polk & Co.
	Howley Thos hlpr	R. L. Polk & Co.

1047 46TH RD

Year	Uses	Source
1934	Buchanan Francis J student	R. L. Polk & Co.
	Buchanan Lotta	R. L. Polk & Co.
	Buchanan Walter J clk dept taxes	R. L. Polk & Co.
	Buchanan Wm H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Buchanan Emma	R. L. Polk & Co.

1048 46TH RD

Year	Uses	Source
2008	HAMILTON DESIGN SERVICES	Cole Information Services
2005	h Hamilton Thomas	Hill-Donnelly Information Services
2000	Thomas Hamilton	Cole Information Services
1991	Farrell T	NYNEX Information Resource Company
1970	Towers Jas F	New York Telephone
1967	Towers Jas F	New York Telephone
1962	Delaney Sarah	New York Telephone Directory
1939	Delaney Sarah	New York Telephone Company
1934	Evans Jas news dlr	R. L. Polk & Co.
	Crawford John handymn Mhn	R. L. Polk & Co.
	Mc Guril Mary Mrs	R. L. Polk & Co.
	Mc Gurl Jas Cath clk	R. L. Polk & Co.
	Flanagan John	R. L. Polk & Co.

1049 46TH RD

Year	Uses	Source
1945	Luisi J	New York Telephone
1939	Luisi J	New York Telephone Company
1934	Luisi John Mary lab	R. L. Polk & Co.
	Dwyer Timothy Margt mtrmn	R. L. Polk & Co.
	Caruso Michl Mary electn	R. L. Polk & Co.

1050 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	James M Morris	Cole Information Services
1983	Pepe Frank	New York Telephone
1970	Pepe Frank	New York Telephone
1967	Pepe Frank	New York Telephone
1962	Pepe Frank	New York Telephone Directory
1945	Pepe Frank	New York Telephone
1939	Pepe Frank	New York Telephone Company
1934	Pepe Angelo clk Mhn	R. L. Polk & Co.
	Pepe Frank Carmela formn	R. L. Polk & Co.

FINDINGS

1051 46TH RD

Year	Uses	Source
1945	Mason Mary	New York Telephone
1939	Mason Mary	New York Telephone Company
1934	Mason Howard electn	R. L. Polk & Co.
	Mason Helen clk	R. L. Polk & Co.
	Mason Francis lab	R. L. Polk & Co.
	Mason Michl F Mary formn	R. L. Polk & Co.

1052 46TH RD

Year	Uses	Source
2005	Major Model Management	Hill-Donnelly Information Services
2000	Pallitto	Cole Information Services
1991	Katz R	NYNEX Information Resource Company
1983	Stevens A	New York Telephone
	Katz R	New York Telephone
1934	Norton Keth Mrs	R. L. Polk & Co.
	Martinez Frank Mary chauf	R. L. Polk & Co.

1054 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	11TH ST INTS FROM	Cole Information Services
1962	Luparallo Santo	New York Telephone Directory
	Caruso Michl A	New York Telephone Directory
1945	Agoglia Felice	New York Telephone
1939	Agoglia Felice	New York Telephone Company
1934	Agoglia Philip Mary inspr	R. L. Polk & Co.
	Agoglia Rose mach opr	R. L. Polk & Co.
	Lotito Pasquale Fannie chauf	R. L. Polk & Co.

1056 46TH RD

Year	Uses	Source
1991	Rentokil Inc	NYNEX Information Resource Company
1934	Ellue Vincent Kath chauf	R. L. Polk & Co.
	Nardella Phillip Louise lab	R. L. Polk & Co.

1084 46TH RD

Year	Uses	Source
1934	Delaney Sarah hsekpr	R. L. Polk & Co.
	De Laney Sarah hsekpr	R. L. Polk & Co.

FINDINGS

1103 46TH RD

Year	*Uses*	*Source*
2005	Krohn David	Hill-Donnelly Information Services
1991	Advanced Telephonics Inc	NYNEX Information Resource Company
	LI Pencil Co	NYNEX Information Resource Company
	Vendcom Inc	NYNEX Information Resource Company
1983	A Plus Answering Svce	New York Telephone
	A Plus Answering Svce	New York Telephone
	Artistic Royalties Inc	New York Telephone
	Astoria Ans Svc	New York Telephone
	Astoria Answering Svce	New York Telephone
	Blomberg Martin b	New York Telephone
	Cleveland Air Forwarding Inc	New York Telephone
	Colonial Carting Corp	New York Telephone
	Compo Industries Inc	New York Telephone
	Consumer Home Improvements Co	New York Telephone
	G & K Svce Co	New York Telephone
	Terrys Delivry Svc	New York Telephone
	A 1 Asphalt Corp	New York Telephone
	Internatl Shoe Mach Corp	New York Telephone
	International Shoppes JFK Intratnl Airpt @Jamaica@	New York Telephone
	Internatl Shoppes Inc J F K Introat Airpt ABBREV Idlwld	New York Telephone
	International Shoppes Inc JFK Intrntnl Airpt @Jamaica@	New York Telephone
	LI City Answrng Svce	New York Telephone
	Loma Duplicating Supl Co	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI Pencil Co	New York Telephone
	Playmates Orchestras	New York Telephone
	S & E Waste Oil Inc	New York Telephone
	Satellite Air Freight Inc	New York Telephone
	Tri County Maintenance	New York Telephone
	Universal Maintenance Svce	New York Telephone
	Varus Constr Corp	New York Telephone
1976	A Plus Answering Svce	New York Telephone
	Air Conditioning Erection Corp	New York Telephone
	Astoria Answering Svce	New York Telephone
	Bunas A R b	New York Telephone

FINDINGS

Year	Uses	Source
1976	Colonial Carting Corp	New York Telephone
	Compo Industries Inc	New York Telephone
	Cosmopolitan Detective Bur	New York Telephone
	Court Maintenance	New York Telephone
	Crandall Can Filler Mach Co	New York Telephone
	Dempsey Equip Co Inc	New York Telephone
	Inter County Svce Inc	New York Telephone
	J & S Hydraulics Inc	New York Telephone
	JOHN KS REFRIGERATION SVCE	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI Pencil Co	New York Telephone
1970	Ace Tel Svce	New York Telephone
	Acme Wrecking Corp yd	New York Telephone
	Andover Protective Svces Inc	New York Telephone
	CCTW Corp	New York Telephone
	Compo Industries Inc	New York Telephone
	Inter County Svce Inc	New York Telephone
	INTER OUNTY TITLE GUAR & MORTGAGE CO	New York Telephone
	J & S Hydraulics Inc	New York Telephone
	LI City Answrng Svce	New York Telephone
	Lectroetch Co	New York Telephone
	LI City Answing Svce	New York Telephone
	Queens Telephone Secretary Inc	New York Telephone
	QUEENS TELEPHONE SECRETARY INC	New York Telephone
	Branch Offices	New York Telephone
	Branch Offices	New York Telephone
	Wenger & Petrucci Inc photgr	New York Telephone
1967	LI City Answrng Svce	New York Telephone
	Lectroetch Co	New York Telephone
	LI City Answrng Svce	New York Telephone
	Shop at Home Food Plan	New York Telephone
	Telautogiaph Corp sales & svce	New York Telephone
	Unity Elec Contrctg Co	New York Telephone
	World Wide Extrmintg Corp	New York Telephone
	Cord Photocopy Specialists Inc	New York Telephone
	Ace Tel Svce	New York Telephone
	Adams A M Realty & Ins	New York Telephone

FINDINGS

Year	Uses	Source
1962	Ace Tel Svce	New York Telephone Directory
	Acme Extrmintg Co	New York Telephone Directory
	Fumex Sanitation Inc	New York Telephone Directory
	Branch	New York Telephone Directory
	Harrison Al retl lumbr	New York Telephone Directory
	LI City Answrng Svce	New York Telephone Directory
	Lectroetch Salec & Svce	New York Telephone Directory
	LI City Answrng Svce	New York Telephone Directory
	Marion Cigarette Vending Svce	New York Telephone Directory
	Branch Offices	New York Telephone Directory
	QUEENS TEL SECRETARY	New York Telephone Directory
	QUEENS TEL SECRETARY	New York Telephone Directory
	Branch Offices	New York Telephone Directory
	WorldWide Extrmintg Corp	New York Telephone Directory

1115 46TH RD

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	h Alisoun Meehan	Hill-Donnelly Information Services
	Begani Dzafer 4 P	Hill-Donnelly Information Services
	h Cantanno Lena	Hill-Donnelly Information Services
	Numbr 4 A h Davis Glen C	Hill-Donnelly Information Services
	Numbr 2 H h Evangelista Amor	Hill-Donnelly Information Services
	Numbr 18 Foret Tanya & Eric	Hill-Donnelly Information Services
	Numbr 3 A Franceus Cynthia	Hill-Donnelly Information Services
	Numbr 2 C Greenberg Elizabeth	Hill-Donnelly Information Services
	Numbr 2 E h Hossain Mohammed Ao	Hill-Donnelly Information Services
	Numbr 2 G Kat Nami	Hill-Donnelly Information Services
	Numbr 4 J Kowles Robert C	Hill-Donnelly Information Services
	Numbr 2 A La Penna Louise Av	Hill-Donnelly Information Services
	Numbr 41 Maloney Marian A	Hill-Donnelly Information Services
	Numbr 3 E Marchik Ekaterina	Hill-Donnelly Information Services
	Numbr 4 G Sagan Stephanie Mrs AV	Hill-Donnelly Information Services
	Numbr 4 F h Sullivan Philip T A 7 718 786 5170 s	Hill-Donnelly Information Services
	Numbr 1 A Tanalsid Adam Av	Hill-Donnelly Information Services
	Tanalsid Joseph C	Hill-Donnelly Information Services
	Teperino Denise A	Hill-Donnelly Information Services
	Numbr 21 Ting Luz R A	Hill-Donnelly Information Services

FINDINGS

Year	*Uses*	*Source*
2005	Numbr 13 Vaccaro Goria	Hill-Donnelly Information Services
	Zabojova D v	Hill-Donnelly Information Services
2000	Apartments Michele Brenen	Cole Information Services
	James Byrne	Cole Information Services
	Lena Cantanno	Cole Information Services
	Luis Carchi	Cole Information Services
	Lisa Coleman	Cole Information Services
	A Glen Davis	Cole Information Services
	Melissa Dempsey	Cole Information Services
	Evangeline Genet	Cole Information Services
	Cort Huckabone	Cole Information Services
1991	Berke Allen	NYNEX Information Resource Company
	Caggiano Lawrence	NYNEX Information Resource Company
	Cantanno Jos	NYNEX Information Resource Company
	Dillon Robert	NYNEX Information Resource Company
	Drew Kim	NYNEX Information Resource Company
	Hankinson Jeffrey B	NYNEX Information Resource Company
	Just Joe	NYNEX Information Resource Company
	La Penna Robt W	NYNEX Information Resource Company
	Mac Namara Art	NYNEX Information Resource Company
	Murphy M	NYNEX Information Resource Company
	Plaut Kimson	NYNEX Information Resource Company
	Reid Joseph	NYNEX Information Resource Company
	Sagan Stephanie Mrs	NYNEX Information Resource Company
	Tanalski Adam	NYNEX Information Resource Company
	Tanalski Jos	NYNEX Information Resource Company
	Ting L	NYNEX Information Resource Company
	Tully Jas M	NYNEX Information Resource Company
	Wangerman B	NYNEX Information Resource Company
	Mc Guggart Eugene	NYNEX Information Resource Company
	Sullivan Philip T	NYNEX Information Resource Company
	Sullivan R R	NYNEX Information Resource Company
1983	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Dailey Jas J	New York Telephone
	Denik L A	New York Telephone
	Grullon Miguel A	New York Telephone
	Herrick Kim	New York Telephone

FINDINGS

Year	Uses	Source
1983	Kulak Gary	New York Telephone
	La Penna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	Mcinerney Wm Jr	New York Telephone
	Petrilla Florence	New York Telephone
	Reid Joseph	New York Telephone
	Sagan Stephanie Mrs	New York Telephone
	Sobanski John H	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Wangerman John	New York Telephone
1976	Alonso Benigno	New York Telephone
	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone
	Daly John	New York Telephone
	Denk L A	New York Telephone
	Hurtado Jesus	New York Telephone
	La Penna Robt W	New York Telephone
1970	McGuggart Eugene	New York Telephone
	Beech E	New York Telephone
	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone
	Daly John	New York Telephone
	Denk L A	New York Telephone
	Gallegos Oswaldo	New York Telephone
	Grande Vincent	New York Telephone
	Hajek Wm	New York Telephone
	Jaime Maria L	New York Telephone
	LaPenna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	McInerney Wm Jr	New York Telephone
	Sagan Stephanie Mrs	New York Telephone
	Sanabria Johna R	New York Telephone
	Schlein Isidore	New York Telephone

FINDINGS

Year	Uses	Source
1970	Sobanski John H	New York Telephone
	Sullivan Philip T	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Velasco Arselmo	New York Telephone
	Walsh Robt	New York Telephone
	Wangerman John	New York Telephone
	Ward Mary Mrs	New York Telephone
	Weinmann Jos	New York Telephone
	Woodall John E	New York Telephone
1967	Beech Robt	New York Telephone
	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone
	Daly John	New York Telephone
	Denk L A	New York Telephone
	Echart Jose R	New York Telephone
	Giakoumis Stylianos	New York Telephone
	Grande Vincent	New York Telephone
	Hajek Wm	New York Telephone
	LaPenna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	McInerney Win Jr	New York Telephone
	Pantalon Mike	New York Telephone
	Sobanski John H	New York Telephone
	Sullivan Philin T	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Wald Carl	New York Telephone
	Wangerman John	New York Telephone
	Ward Mary Mrs	New York Telephone
	Weinmann Jos	New York Telephone
	West Eugene V	New York Telephone
	Wittman Wm J	New York Telephone
	Woodall John E	New York Telephone
	McGuggart Eugene	New York Telephone
1962	McGuggart Eugenle	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Beech Robt	New York Telephone Directory
	Burns Edw	New York Telephone Directory
	Cantanno Jos	New York Telephone Directory
	Conway Richd J	New York Telephone Directory
	Dailey Jas J	New York Telephone Directory
	Daly John	New York Telephone Directory
	DiMantova Robt S	New York Telephone Directory
	Funk Roht	New York Telephone Directory
	Hajek Wm	New York Telephone Directory
	Loss Jos J	New York Telephone Directory
	Lotito Patsy	New York Telephone Directory
	Mason M	New York Telephone Directory
	Morrison May Mrs	New York Telephone Directory
	Sobanski John H	New York Telephone Directory
	Sullivan Philip T	New York Telephone Directory
	Tanalski jos	New York Telephone Directory
	Tully Jas M	New York Telephone Directory
	Wald Carl	New York Telephone Directory
	Wangerman John	New York Telephone Directory
	Weinmann Jos	New York Telephone Directory
	West Eugene V	New York Telephone Directory
	Wittman Wm J	New York Telephone Directory
	Woodall John E	New York Telephone Directory
1945	Atkinson Margaret C	New York Telephone
	Frieder Louis	New York Telephone
	Lutz Kathryn Mrs	New York Telephone
	Mona Geraldine R Mrs	New York Telephone
1939	Brosi F	New York Telephone Company
	Frieder Louis	New York Telephone Company
	Matera Connie	New York Telephone Company
	Mona Geraldine R Mrs	New York Telephone Company
	Smyth Jos	New York Telephone Company
1934	Beech Robt Eleanor plstr	R. L. Polk & Co.
	Conklin Asa Agnes ins agt	R. L. Polk & Co.
	Conners John slsmn Mhn	R. L. Polk & Co.
	Connor John J jr	R. L. Polk & Co.
	Curran John Sarah mgr Mhn	R. L. Polk & Co.
	Daly John J Helen clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	DAvis Thos W Anna mach	R. L. Polk & Co.
	Ferrini Julius Vincenta blksmith	R. L. Polk & Co.
	Fontana Jos Olga bkpr	R. L. Polk & Co.
	Galemmo John Elvira pntr	R. L. Polk & Co.
	Grace Emma	R. L. Polk & Co.
	Grace Mary wid John	R. L. Polk & Co.
	Grega Andrew Myra chauf	R. L. Polk & Co.
	Hague Sarah	R. L. Polk & Co.
	Hennessey John elev opr	R. L. Polk & Co.
	Kornreich Chas Ethel lab	R. L. Polk & Co.
	Lamb Geo Alice clk Mhn	R. L. Polk & Co.
	Le Blanc Domana G Emily barber Mhn	R. L. Polk & Co.
	Luhrs Otto Hannah clk	R. L. Polk & Co.
	Murphy John Mary clk	R. L. Polk & Co.
	OConnell Jas J Rose	R. L. Polk & Co.
	OConnell Jas J jr acct	R. L. Polk & Co.
	Ottenstein Benj Rose tailor	R. L. Polk & Co.
	Polhamus Richd Marie blksmith	R. L. Polk & Co.
	Remant Asco Blanche lab	R. L. Polk & Co.
	Roberts Emrys Rene bkpr	R. L. Polk & Co.
	Roberts Jack clk Mhn	R. L. Polk & Co.
	Schmidt Emil Elsie baker	R. L. Polk & Co.
	Smyth Jos	R. L. Polk & Co.
	Walsh Cath wid Jas	R. L. Polk & Co.
	West Wm A Rose ship clk	R. L. Polk & Co.
	White Frank Mary msngr	R. L. Polk & Co.
	Thornton Robt Mary bldg supt	R. L. Polk & Co.

1118 46TH RD

Year	Uses	Source
2013	ARISTA WOOD WORKING CO INC	Cole Information Services
2008	ARISTA WOOD WORKING CO INC	Cole Information Services
2005	Papagianis	Hill-Donnelly Information Services
	Arista Wood Working Co Inc	Hill-Donnelly Information Services
2000	D & D Cabinetry	Cole Information Services
	D & D Upholsterers	Cole Information Services
	Dimitri Kiousis	Cole Information Services
1983	Val Diano Restrnt	New York Telephone
1976	Kannan Luncheonette	New York Telephone

FINDINGS

Year	Uses	Source
1970	Kannan Luncheonette	New York Telephone
1967	K Raft Corp	New York Telephone
1962	Flaacke Wm grocry	New York Telephone Directory
1945	Flaacke Wm delctsn	New York Telephone
	Nejelski Cecile Mrs	New York Telephone
1939	Flaacke Wm delctsn	New York Telephone Company
	Hafke Hugo uphlstr	New York Telephone Company
1934	J & S Cleaning & Dyeing John and Sander Scheida	R. L. Polk & Co.
	Klein Martin Margt delicatessen	R. L. Polk & Co.
	Klien Martin Margt delicatessen	R. L. Polk & Co.
	Schieda John J & S Clnrs & Dyers	R. L. Polk & Co.
	Schieda Sander Anna J & S Clnrs & Dyers	R. L. Polk & Co.

1120 46TH RD

Year	Uses	Source
2013	ALEXANDRA INTERNATIONAL	Cole Information Services
	QJC LLC	Cole Information Services
2008	W W JEWELERS INC	Cole Information Services
	ALEXANDER INTERNATIONAL INC	Cole Information Services
2005	Alexandra International	Hill-Donnelly Information Services
	Qjcllc	Hill-Donnelly Information Services
	W & W Mfg Jew	Hill-Donnelly Information Services
2000	Alexandra Intrntl	Cole Information Services
	Movielab	Cole Information Services
	Wayne Grphc Prods	Cole Information Services
	Zenith Grphc Supl	Cole Information Services
1991	Color Graphic Press Inc	NYNEX Information Resource Company
	Wayne Graphic Prods Ltd	NYNEX Information Resource Company
	Zenith Graphic Supl Inc	NYNEX Information Resource Company
1983	Color Graphic Press Inc	New York Telephone
	Gilshire Corp	New York Telephone
	Jewel Press	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
	Zenith Graphic Supl Inc	New York Telephone
1976	Alman Prods Corp	New York Telephone
1970	Posterloid Corp	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
	Zenith Graphic Supl Inc	New York Telephone

FINDINGS

Year	Uses	Source
1967	Posterloid Corp	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
	Zenith Graphic Supl Inc	New York Telephone
1962	Posterloid Corp	New York Telephone Directory
	Thompson Judson L Mfg Co rivets	New York Telephone Directory
	Thomson Judson L Mfg Co rivets	New York Telephone Directory

1125 46TH RD

Year	Uses	Source
2008	GROOVESTRINGS	Cole Information Services
2005	Berti Leonardo v	Hill-Donnelly Information Services
	Betancourt A A	Hill-Donnelly Information Services
	Numbr 38 Bondurant Francis AV	Hill-Donnelly Information Services
	Numbr 4D Formnan K v	Hill-Donnelly Information Services
	Numbr 3 F Gallegos Oswaldo AO	Hill-Donnelly Information Services
	Numbr 4 C h Gross Todd 718 392 6483 o	Hill-Donnelly Information Services
	Numbr 3 E h Hendricks Daniel C	Hill-Donnelly Information Services
	Klriyama Tadahiro v	Hill-Donnelly Information Services
	Laghezza Pasquale Vito Rev	Hill-Donnelly Information Services
	Numbr 1 J Mckinley Daniel	Hill-Donnelly Information Services
	Numbr IG h Medaglia Angela	Hill-Donnelly Information Services
	Numbr 31 h Richardson Gary AO	Hill-Donnelly Information Services
	h Tooker Alexander AO 718 361 6186 a	Hill-Donnelly Information Services
	Toro A vv	Hill-Donnelly Information Services
	Warren Daniel C 718 392 2774 o	Hill-Donnelly Information Services
	Numbr 2 B h Waryold Patrick Av	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Albanese Rosella v	Hill-Donnelly Information Services
2000	Apartments Sharon Best	Cole Information Services
	H A Betancourt	Cole Information Services
	B Francis Bondurant	Cole Information Services
1991	Bell R	NYNEX Information Resource Company
	Bley Laurie	NYNEX Information Resource Company
	Blum Julius	NYNEX Information Resource Company
	Castano Ivan D	NYNEX Information Resource Company
	Ceballos Maria	NYNEX Information Resource Company
	Ceballos N	NYNEX Information Resource Company
	Di Masi L	NYNEX Information Resource Company
	Weisenberg Bruce	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Doukas Thomas	NYNEX Information Resource Company
	Emanuel A	NYNEX Information Resource Company
	Gallegos Oswaldo	NYNEX Information Resource Company
	Haislip T	NYNEX Information Resource Company
	Lindquist Michael	NYNEX Information Resource Company
	Mahe Thierry	NYNEX Information Resource Company
	Morrison W E	NYNEX Information Resource Company
	Nuyen D M	NYNEX Information Resource Company
	Ospina Libardo	NYNEX Information Resource Company
	Paino Thomas	NYNEX Information Resource Company
	Smiler John F	NYNEX Information Resource Company
	Tomlinson Sonya K	NYNEX Information Resource Company
	Tooker Alexander	NYNEX Information Resource Company
	Toscano Paula Mrs	NYNEX Information Resource Company
	Valenzuela Marina	NYNEX Information Resource Company
	Waryold Patk	NYNEX Information Resource Company
1983	Betancourt A	New York Telephone
	Bondurant Francis	New York Telephone
	Carroll M J	New York Telephone
	Di Masoi L	New York Telephone
	Evangelista Thomas A	New York Telephone
	Foley K	New York Telephone
	Gallegos Oswaldo	New York Telephone
	Gunaydin Hasim	New York Telephone
	Krol Walter F	New York Telephone
	Mencia Paulino	New York Telephone
	Morrison Wiliam E	New York Telephone
	Ospina Libardo	New York Telephone
	Plotch Benjie	New York Telephone
	Russo Rose	New York Telephone
	Sharkey William	New York Telephone
	Smiler John F	New York Telephone
	Tomlinson Sonya K	New York Telephone
	Toscano Paula Mrs	New York Telephone
	Valenzuela Marina	New York Telephone
	Waryold Patk	New York Telephone
1976	Aguirre John	New York Telephone
	Barsoumian Roupen	New York Telephone

FINDINGS

Year	Uses	Source
1976	Becerra B	New York Telephone
	Becerra Jose M	New York Telephone
	Betancourt A	New York Telephone
	Bondurant Francis	New York Telephone
	Cardona Aldemar	New York Telephone
	Emanuel A	New York Telephone
	Evangelista Thomas A	New York Telephone
	Gallegos Oswaldo	New York Telephone
1970	Aguirre John	New York Telephone
	Asaro Anthony Mrs	New York Telephone
	Becerra B	New York Telephone
	Cappa Angelo C	New York Telephone
	Cosomano Anthony	New York Telephone
	Emanuel A	New York Telephone
	Evangelista Thomas A	New York Telephone
	Garay Lesbia	New York Telephone
	Garramone Patsy	New York Telephone
	Gioso Michl	New York Telephone
	Grochowski Mary	New York Telephone
	Grogan Brian	New York Telephone
	Krol Walter T	New York Telephone
	Levesque Ethel M	New York Telephone
	Lozito Wm	New York Telephone
	Mahatcek Jos	New York Telephone
	Mason M	New York Telephone
	Panizzi Tommie	New York Telephone
	Pecoreno L	New York Telephone
	Persson Ethel	New York Telephone
	Pines Frieda Mrs	New York Telephone
	Pound Wm	New York Telephone
	Sargeant G	New York Telephone
	Schroder Wm H	New York Telephone
	Smiler John F	New York Telephone
	Waryold Patk	New York Telephone
	Weiland Jos	New York Telephone
1967	Becerra B	New York Telephone
	Cappa Angelo C	New York Telephone
	Cosomano Anthony	New York Telephone

FINDINGS

Year	Uses	Source
1967	Emanuel A	New York Telephone
	Garramone Patsy	New York Telephone
	Gioso Michl	New York Telephone
	Grochowski Mary	New York Telephone
	Grochowski Timothy J	New York Telephone
	J M E Fuel	New York Telephone
	Krol Walter T	New York Telephone
	Levesque Ethel M	New York Telephone
	Lozito Wm	New York Telephone
	Mahatcek Jos	New York Telephone
	Mason M	New York Telephone
	Panizzi Tommie	New York Telephone
	Pines Frieda Mrs	New York Telephone
	Pound Wm	New York Telephone
	Sargeant G	New York Telephone
	Schroder Wm H	New York Telephone
	Schultze Herman	New York Telephone
	Smiler John F	New York Telephone
	Toscano Paula Mrs	New York Telephone
	Waryold Patk	New York Telephone
	Weiland Jos	New York Telephone
1962	Blum Julius	New York Telephone Directory
	Burch John J	New York Telephone Directory
	Cannavina Danny	New York Telephone Directory
	Cappa Angelo C	New York Telephone Directory
	Cosomano Anthony	New York Telephone Directory
	Emanuel A	New York Telephone Directory
	Foster Geo L	New York Telephone Directory
	Garramones Pastry Shop	New York Telephone Directory
	Gennaro A E	New York Telephone Directory
	Jesse Geo J	New York Telephone Directory
	Jozwiak Jos R	New York Telephone Directory
	Krol Walter T	New York Telephone Directory
	Lozito Wm	New York Telephone Directory
	Mahatcek Jos	New York Telephone Directory
	McCabe Mary Mrs	New York Telephone Directory
	McCarthy H	New York Telephone Directory
	ODonnell John	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Panizzi Tommie	New York Telephone Directory
	Persson Eric	New York Telephone Directory
	Pound Wm	New York Telephone Directory
	Schroder Wm H	New York Telephone Directory
	Schultze Helen F	New York Telephone Directory
	Toscano Paula Mrs	New York Telephone Directory
	Versaci Bessie M	New York Telephone Directory
	Waryold Patk	New York Telephone Directory
	Weiland Jos	New York Telephone Directory
	Wittman Wm	New York Telephone Directory
1945	Abrams Rose Mrs	New York Telephone
	Biancaniello Louis Jr	New York Telephone
	Burch John J	New York Telephone
	Cohen Jos	New York Telephone
	Foster Geo L	New York Telephone
	Geller Frank	New York Telephone
	ODonnell John	New York Telephone
	Pines David	New York Telephone
	Plunkett C W	New York Telephone
	Schmidt Alfred	New York Telephone
	Schultz Helen F	New York Telephone
1939	Burch John J	New York Telephone Company
	Cappa Angelo	New York Telephone Company
	Daley Edw F	New York Telephone Company
	Geller Frank	New York Telephone Company
	Kalb Henry	New York Telephone Company
	Morris Barbara Mrs	New York Telephone Company
	Nadel Hannah Mrs	New York Telephone Company
	Plunkett C W	New York Telephone Company
	Simmons Loretta	New York Telephone Company
1934	Abrahams Emanuel Rose New York Multigraphing Co	R. L. Polk & Co.
	Abrams Emanuel Rose	R. L. Polk & Co.
	Alterman Jacob	R. L. Polk & Co.
	Bottjer Martin Anna clk	R. L. Polk & Co.
	Caiveo Frank C city firemn	R. L. Polk & Co.
	Cappa Angelo C Pauline frt mgr	R. L. Polk & Co.
	De Canio Michl Concetta pntr tnd decorator	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Geise Harold C Lillian slsmn Sears Roebuck & Co Inc	R. L. Polk & Co.
	Gossow Frank Martha supt	R. L. Polk & Co.
	Harper Mabel E sten Pres Boro Q	R. L. Polk & Co.
	Koch Anna Mrs	R. L. Polk & Co.
	Kopacky Edna sten	R. L. Polk & Co.
	Kopacky Jessie sten	R. L. Polk & Co.
	Kopacky Mary wid Frank	R. L. Polk & Co.
	Larkins Agnes sten	R. L. Polk & Co.
	Larkins Alice clk	R. L. Polk & Co.
	Mahoney Mary sten	R. L. Polk & Co.
	Mahoney Michl Mary lab	R. L. Polk & Co.
	Mc Kearney Lawrence J Mary police	R. L. Polk & Co.
	Mc Namara Mathew Mary clk	R. L. Polk & Co.
	Morris Alex T Barbara stone ctr	R. L. Polk & Co.
	Natali Jos Mary artist	R. L. Polk & Co.
	OConnor Jas	R. L. Polk & Co.
	OConnor Margt sten	R. L. Polk & Co.
	OConnor Nora wid John	R. L. Polk & Co.
	Ott Howard Theresa brkmn	R. L. Polk & Co.
	Peck Delia Mrs waiter	R. L. Polk & Co.
	Petterson Geo Agtrid firemn	R. L. Polk & Co.
	Smith Thos garage	R. L. Polk & Co.
	Sullivan Frank J Mary real est	R. L. Polk & Co.
	Swersky Abr Dora chef	R. L. Polk & Co.
	Swersky Frank soda dispeser	R. L. Polk & Co.

1126 46TH RD

Year	Uses	Source
1970	Globe Book Co Inc	New York Telephone

1130 46TH RD

Year	Uses	Source
2000	& T Inc	Cole Information Services
1970	York Wholesalers Parts & Supls	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Service Branch of York Corporation	New York Telephone

Year	Uses	Source
1967	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Service Branch of York Corporation	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Wholesalers Parts & Supls	New York Telephone
1962	YORK CONTRACTORS	New York Telephone Directory

1131 46TH RD

Year	Uses	Source
2013	ZERO CAL BEVERAGES INC	Cole Information Services
	JUST DO IT INCORPORATED	Cole Information Services
2008	CENTEX M F S	Cole Information Services
2005	Sylvin Trading Inc	Hill-Donnelly Information Services
	Prism Communications	Hill-Donnelly Information Services
	Centex MFS	Hill-Donnelly Information Services
	Arielle International Inc	Hill-Donnelly Information Services
2000	Prism Cmmnctns	Cole Information Services
	Allgnc Ticm Inc	Cole Information Services
1962	Schultz C A b	New York Telephone Directory
1945	Staples Clarence P b	New York Telephone
	Schultz Chas A b	New York Telephone
	Schlieben W F b	New York Telephone
	Gorton T I b	New York Telephone
	Carmody Francis J b	New York Telephone
	Bryson Jas A b	New York Telephone
1939	Schultz Chas A b	New York Telephone Company
	Ingram W U b	New York Telephone Company
	Bartlett Chas D b	New York Telephone Company

1134 46TH RD

Year	Uses	Source
2008	ZYLO WARE CORP	Cole Information Services
1991	Zylo Ware Corp	NYNEX Information Resource Company
1983	Genl Information	New York Telephone
	Order Department	New York Telephone

1136 46TH RD

Year	Uses	Source
2013	PETROSSIAN	Cole Information Services

FINDINGS

Year	Uses	Source
2013	ZYLO WARE CORP	Cole Information Services
2008	THUNDER INDUSTRIES INC	Cole Information Services
	ZYLOWARE CORP	Cole Information Services
2005	Zylo Ware Corp	Hill-Donnelly Information Services
2000	Zylo Ware Corp	Cole Information Services
1967	York Wholesalers Wholesale Branch of York Corp	New York Telephone
1962	York Wholesalers Wholesale Branch of York Corp	New York Telephone Directory
	York Wholesalers	New York Telephone Directory

1142 46TH RD

Year	Uses	Source
2013	WEST GROUP CREATIVE	Cole Information Services
	AMERICAN CONTRACTING COMPANY INCORPO	Cole Information Services
	AMERICAN CONTRACTING CO INC	Cole Information Services
	RELIABLE MECHANICAL PLUMBING & HEATI	Cole Information Services
	MANHATTAN COOLING TOWERS INC	Cole Information Services
2005	Laminall Inc 2 s 718 786 6480 s	Hill-Donnelly Information Services
2000	Laminalle Inc	Cole Information Services
1991	A & B Realty	NYNEX Information Resource Company
	LAMINALL PLASTICS CO	NYNEX Information Resource Company
	Memento Assocs plastic laminators	NYNEX Information Resource Company
	Silhouette Drywall Systems Inc	NYNEX Information Resource Company
1983	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
	Memento Assocs plastic laminators	New York Telephone
	Whitehead Cinek Corp	New York Telephone
1976	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
1970	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
	MEMENTO ASSOCS plstc lamntrs	New York Telephone
	Whitehead Cinek Corp	New York Telephone
1967	LAMINALL PLASTICS CO	New York Telephone
	MEMENTO ASSOCS plstc lamntrs	New York Telephone
1962	Goodyear Const Co Inc	New York Telephone Directory
	Harrow Const Corp	New York Telephone Directory

Year	Uses	Source
1962	LAMINALL PLASTICS CO	New York Telephone Directory
	MEMENTO ASSOCS plstc lamntrs	New York Telephone Directory
	Pellicano Anthony paintng & decoratg	New York Telephone Directory
	Rosen H contr	New York Telephone Directory
	Rosen Jos archt	New York Telephone Directory

1148 46TH RD

Year	Uses	Source
1983	Coghan Gabriel A Dr PC	New York Telephone
	Silberstein Fryderyk DDS	New York Telephone
1967	Wurm J Dentl Eqp Co	New York Telephone
1962	Wurm J Dental Equip Corp	New York Telephone Directory

1215 46TH RD

Year	Uses	Source
1983	Mc Guggart Eugene	New York Telephone

1303 46TH RD

Year	Uses	Source
1991	S & E Waste Oil Inc	NYNEX Information Resource Company

1315 46TH RD

Year	Uses	Source
1983	Sullivan Philip T	New York Telephone

1645 46TH RD

Year	Uses	Source
1934	Creem Eleanor M clk Dept of Sanitn	R. L. Polk & Co.

46TH ST

1024 46TH ST

Year	Uses	Source
1934	OConnor Julia clk	R. L. Polk & Co.

1025 46TH ST

Year	Uses	Source
1934	Leibowitz Jos engineering asst Bd of Water Supply	R. L. Polk & Co.

FINDINGS

1037 46TH ST

Year	Uses	Source
1934	Smith Jos Mary E crane eng	R. L. Polk & Co.
	Morris Mary wid Wm matron	R. L. Polk & Co.

1114 46TH ST

Year	Uses	Source
1934	Gardner Steph Rosamond plmbr	R. L. Polk & Co.
	Smith Edna sten	R. L. Polk & Co.
	Gibbons Frank W inspr Bd of Water Supply G & E	R. L. Polk & Co.

1115 46TH ST

Year	Uses	Source
1934	Joyner Victor Lucy musician	R. L. Polk & Co.
	Sparagna Dominick Mathilda Dominick Sparagna & Co	R. L. Polk & Co.

1124 46TH ST

Year	Uses	Source
1934	Hyland Edith sten	R. L. Polk & Co.
	Mabie Jas P Anna mgr	R. L. Polk & Co.
	Hyland Edw Margt lab	R. L. Polk & Co.

1180 46TH ST

Year	Uses	Source
1934	Flower Isidore Rose Flower & DAvis	R. L. Polk & Co.

1249 46TH ST

Year	Uses	Source
1967	Felleman Philip N	New York Telephone

1333 46TH ST

Year	Uses	Source
1934	Riley Raymond chemical eng	R. L. Polk & Co.

1429 46TH ST

Year	Uses	Source
1934	Mamaux John J Rhoda slsmn	R. L. Polk & Co.

1472 46TH ST

Year	Uses	Source
1934	Bricker Harry tchr Grover Cleveland	R. L. Polk & Co.

FINDINGS

1505 46TH ST

Year	Uses	Source
1939	Knipp Chas jwlr	New York Telephone Company

1772 46TH ST

Year	Uses	Source
1934	Bayer Gertrude stock clk John A Schwarz Inc	R. L. Polk & Co.

5TH AVE

1011 5TH AVE

Year	Uses	Source
1976	Arnold Hubert E	New York Telephone

1165 5TH AVE

Year	Uses	Source
1976	Amer Soc For Psycho Prophylaxis In Obstetrics Inc	New York Telephone
	Childbirth Education Lamaze	New York Telephone
	ASPO	New York Telephone
	AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS	New York Telephone

1176 5TH AVE

Year	Uses	Source
1976	Krasna Irwin H MD	New York Telephone
1970	Danese Callisto MD	New York Telephone
	Krasna Irwin H MD	New York Telephone
1967	Krasna Irwin H MD	New York Telephone

1440 5TH AVE

Year	Uses	Source
1991	DVC Industries Inc	NYNEX Information Resource Company
1983	DVC Industries Inc	New York Telephone

1510 5TH AVE

Year	Uses	Source
1983	Mc Guire Richard A Assocs Inc	New York Telephone

FINDINGS

1560 5TH AVE

Year	Uses	Source
1976	Crossly Bldg Prods	New York Telephone

1724 5TH AVE

Year	Uses	Source
1983	Entenmanns Bakery Inc	New York Telephone

1775 5TH AVE

Year	Uses	Source
1976	Duralite Co Inc Barbour Av ABBREV Passaic NJ NYC Tel No WI 77064	New York Telephone
	Duralee Fabrics Ltd	New York Telephone
1970	Duralee Fabrics Ltd	New York Telephone

1853 5TH AVE

Year	Uses	Source
1976	Falkowitz Milton DDS	New York Telephone

6TH AVE

1200 6TH AVE

Year	Uses	Source
1976	Dynagem Jwlry	New York Telephone
1970	Dynagem jwlry	New York Telephone
1967	Dynagem jwlry	New York Telephone

1251 6TH AVE

Year	Uses	Source
1976	Maisel Restrnts exec ofcs	New York Telephone
1970	Maisel Restlnts exec ofcs	New York Telephone
1967	Maisel Restrnts exec ofcs	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
45-35 11th Street	1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
10-11 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-12 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-15 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-18 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-20 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-20 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-22 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-24 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-27 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-27 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-28 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-29 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-34 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-35 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-35 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
10-35 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-36 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-37 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-37 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-40 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-40 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-41 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-42 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-43 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-45 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-47 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-49 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-50 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-51 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-52 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-54 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-57 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1011 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1012 46TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1015 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1015 45TH AVE	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1015 46TH AVE	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1922
1015 46TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1016 46TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1016 46TH AVE	2013, 2008, 1996, 1976, 1967, 1962, 1950, 1945, 1939, 1922
1018 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1018 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1934, 1922
1020 45TH RD	2013, 2008, 1996, 1983, 1976, 1970, 1967, 1950, 1934, 1922
1020 45TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1020 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1021 45TH AVE	2013, 2008, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1021 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1022 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1024 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1024 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1025 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1025 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1025 45TH RD	2013, 2008, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1025 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1025 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1026 46TH AVE	2013, 2008, 1996, 1976, 1967, 1962, 1950, 1934, 1922
1026 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1027 45TH AVE	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1027 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1027 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1027 46TH AVE	2013, 2008, 1996, 1976, 1970, 1950, 1922
1027 46TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1028 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1028 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1028 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1028 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1029 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1030 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1030 46TH RD	2013, 2008, 1996, 1991, 1976, 1950, 1945, 1939, 1922
1030 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1031 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
1032 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922
1032 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
1034 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 45TH RD	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 45TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 46TH AVE	2013, 2008, 1996, 1962, 1950, 1939, 1934, 1922
1034 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1922
1035 45TH AVE	2013, 2008, 1996, 1976, 1950, 1922
1035 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1035 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1035 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1035 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1036 46TH AVE	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1037 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1934, 1922
1037 46TH RD	2013, 2008, 1996, 1950, 1922
1037 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1037 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1038 45TH AVE	2013, 2008, 2005, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1038 46TH AVE	2013, 2008, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1038 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 46TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 46TH RD	2013, 2008, 1996, 1976, 1962, 1950, 1945, 1939, 1934, 1922
1039 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1040 45TH AVE	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1040 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1040 46TH AVE	2013, 2008, 1996, 1976, 1950, 1922
1040 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1922
1041 45TH AVE	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1041 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1041 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1042 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
1043 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1044 46TH RD	2013, 2008, 1996, 1950, 1922
1045 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
1046 46TH RD	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1047 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1048 45TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1048 46TH RD	2013, 2008, 1996, 1983, 1976, 1950, 1945, 1922
1048 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1049 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1050 46TH RD	2013, 2008, 1996, 1991, 1976, 1950, 1922
1051 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1052 46TH RD	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1054 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1922
1056 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1056 46TH RD	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1057 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1084 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1095 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
11-14 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-15 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-15 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-16 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-18 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-24 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-25 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-30 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-30 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-31 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-35 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-42 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-47 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-55 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1103 45TH AVE	2013, 2008, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 46TH AVE	2013, 2008, 2005, 2000, 1996, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 46TH RD	2013, 2008, 2000, 1996, 1950, 1945, 1939, 1934, 1922
1105 44TH DR	2013, 2008, 1996, 1976, 1950, 1922
1105 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1110 44TH DR	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1111 44TH DR	2013, 2008, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1111 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1112 44TH DR	2013, 2008, 2005, 2000, 1996, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1114 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1922
1114 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1114 46TH AVE	2013, 2008, 1950, 1922
1114 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1114 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1115 45TH AVE	2013, 2008, 1996, 1950, 1922
1115 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1115 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1115 46TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1115 46TH RD	2013, 2008, 1996, 1950, 1922
1115 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1116 44TH DR	2013, 2008, 1996, 1983, 1976, 1967, 1962, 1950, 1939, 1934, 1922
1116 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1118 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1118 46TH RD	2013, 2008, 1996, 1991, 1950, 1922
1120 46TH RD	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1120 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1121 44TH DR	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1122 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1122 45TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1122 45TH RD	2013, 2008, 1996, 1976, 1962, 1950, 1945, 1939, 1934, 1922
1124 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1124 46TH AVE	2013, 2008, 1996, 1950, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1124 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1125 45TH AVE	2013, 2008, 1996, 1976, 1950, 1945, 1939, 1922
1125 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1125 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1125 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1125 46TH RD	2013, 2008, 1996, 1950, 1922
1125 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1126 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 45TH RD	2013, 2008, 2005, 1996, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 45TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 46TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1950, 1945, 1939, 1934, 1922
1131 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1934, 1922
1131 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1133 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1133 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1134 44TH DR	2013, 2008, 1996, 1950, 1945, 1939, 1922
1134 46TH RD	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1134 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1135 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1135 45TH AVE	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1136 44TH DR	2013, 2008, 1996, 1950, 1922
1136 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1136 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1136 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922
1136 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1138 44TH DR	2013, 2008, 1996, 1950, 1922
1140 44TH DR	2013, 2008, 1996, 1950, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1140 45TH RD	2013, 2008, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1140 46TH AVE	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1142 44TH DR	2013, 2008, 1996, 1950, 1939, 1922
1142 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1142 44TH DR LONG ISLAND CITY DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1142 46TH RD	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1142 46TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1143 45TH AVE	2013, 2008, 1996, 1976, 1950, 1945, 1939, 1934, 1922
1144 44TH DR	2013, 2008, 1996, 1950, 1945, 1922
1145 44TH DR	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1146 44TH DR	2013, 2008, 1996, 1950, 1945, 1922
1147 45TH AVE	2013, 2008, 1950, 1939, 1922
1147 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1148 44TH DR	2013, 2008, 1996, 1962, 1950, 1945, 1939, 1922
1148 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1148 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1950, 1945, 1939, 1934, 1922
1149 44TH DR	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1149 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1151 44TH DR	2013, 2008, 1996, 1950, 1922
1152 44TH DR	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1152 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1153 44TH DR	2013, 2008, 1996, 1962, 1950, 1939, 1922
1154 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1950, 1945, 1939, 1934, 1922
1155 45 S AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1155 45TH AVE	2013, 2008, 1950, 1922
1155 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1155 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1156 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1157 44TH DR	2013, 2008, 1996, 1950, 1934, 1922
1157 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1165 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1165 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1176 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1180 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1186 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1188 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1200 6TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1215 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1220 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1234 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1238 44TH DR	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1249 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1251 6TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1254 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1255 45TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1303 46TH RD	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1314 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1315 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1322 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1324 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1330 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1333 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1347 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1401 45TH ST	2013, 2008, 2005, 2000, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1413 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1424 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1429 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1440 5TH AVE	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1444 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1458 45TH	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1472 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1474 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1505 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1510 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1560 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1626 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1645 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1716 46TH AVE	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1724 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1772 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1775 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
18-12 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
18-48 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1815 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1824 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1853 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1866 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1882 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
20-04 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-06 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-08 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-10 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-12 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-14 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-18 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-20 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-22 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-24 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-27 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-33 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-35 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-37 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-41 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-43 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-45 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-47 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-49 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-51 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
20-52 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-53 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-54 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-55 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-56 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-57 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
2019 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2038 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2040 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
2046 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2057 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2059 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4446 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4461 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4461 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4464 11TH ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4464 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4469 11TH ST	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4472 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4480 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4480 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4502 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4502 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4504 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4506 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4508 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4510 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4510 11TH ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4512 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4514 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4516 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1950, 1939, 1922
4518 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4520 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4520 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4528 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4528 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4528 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4530 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4532 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4532 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4534 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4536 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4536 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1950, 1945, 1939, 1934, 1922
4537 21ST ST	2013, 2008, 2000, 1996, 1950, 1939, 1922
4537 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4538 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4539 21ST ST	2013, 2008, 2000, 1996, 1950, 1922
4540 11TH ST	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4540 21ST ST	2013, 2008, 2000, 1996, 1950, 1945, 1939, 1934, 1922
4540 21ST ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4542 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4543 21ST ST	2013, 2008, 2000, 1996, 1991, 1976, 1950, 1939, 1922
4543 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4544 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4544 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4545 21ST ST	2013, 2008, 2000, 1996, 1976, 1950, 1939, 1922
4546 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4546 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4546 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4546 21ST ST	2013, 2008, 2000, 1996, 1991, 1950, 1945, 1939, 1934, 1922
4587 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4591 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
46-31 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-32 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-34 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-37 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-41 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-43 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-44 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
4601 21ST ST	2013, 2008, 2000, 1996, 1962, 1950, 1945, 1939, 1934, 1922
4601 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4602 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4606 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4606 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4609 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4609 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4610 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4610 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1950, 1939, 1934, 1922
4613 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4614 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4616 11TH PL	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
4620 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4620 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4627 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4629 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4630 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4631 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4632 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4633 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4634 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4634 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4635 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4636 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4636 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4637 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4639 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4641 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4643 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4644 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4644 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4645 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4647 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4649 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4653 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922

APPENDIX E

Previous Environmental Reports

Middleton Environmental Inc.

Environmental Consultants and Engineers

50 Park Avenue, Babylon, NY 11702
(631) 321-4300 • Fax (631) 321-4349
middletonenvironmental.com

Phase I Environmental Site Assessment Report

MEI Project Number 14-122

Property located at 45-35 11th Street in Long Island City, New York

March 10, 2014

Prepared for Shine Electronics

Middleton Environmental Inc.

Environmental Consultants and Engineers

50 Park Avenue, Babylon, NY 11702
(631) 321-4300 • Fax (631) 321-4349
middletonenvironmental.com

March 10, 2014

Ms. Lisa Lee
Shine Electronics Corporation
11-15 46th Street
Long Island City, NY 11101

Re: Phase I Environmental Site Assessment Report
45-35 11th Street in Long Island City, New York 11101
MEI Project #: 14-122

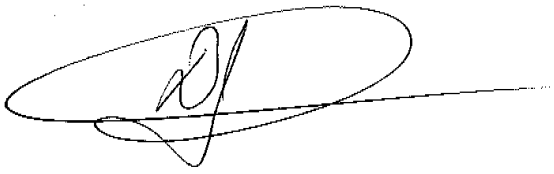
In accordance with our agreement, Middleton Environmental Incorporated (MEI), has performed a Phase I Environmental Assessment of the above referenced property in accordance with ASTM E 1527-2005 Scope of Work. Please find a copy of the report enclosed.

We declare that to the best of our knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR and, 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 all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Thank you for choosing MEI as your consultant for this project. If you have any questions, or if we can be of additional service, please contact us at 631 321 4300.

Respectfully submitted,

Middleton Environmental Incorporated



Prepared by: Donald J. Middleton Jr.
President

Table of Contents and Report Format For Phase I Environmental Site Assessment (as per ASTM E1527-05 Protocol)

1.0 EXECUTIVE SUMMARY

At the request of Shine Electronics, Middleton Environmental Incorporated (MEI) has performed a Phase I Environmental Site Assessment (ESA) of the property located at 45-35 11th Street in Long Island City, New York, herein referred to as the Subject Property. The main objective of this ESA was to identify ***recognized environmental conditions*** in connection with the Subject Property, defined in ASTM Practice E 1527-05 as the presence or likely presence of any hazardous substances or petroleum products that indicate an existing release, a past release, or a material threat of a release. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of ASTM Practice E 1527-05. This assessment has revealed no evidence of REC's in connection with the Subject Property.

The Subject Property includes a rectangular-shaped parcel totaling approximately 0.28 acres. The Subject Property is currently improved with one (1) industrial building. The building is 13,400 square feet in size and has a main floor, a second floor, and a partial basement and is currently occupied by Wayland Industries (a wire spooling facility). The main floor of the building contains an office area and warehouse area that contains storage areas, wire assembly and cutting areas and a loading dock area. The second floor of the building is occupied by office space. A review of the New York City Building Department property profile overview indicated that the building was constructed in 1956. The building occupies the majority of the parcel with minimal areas of exposed grounds or landscaped areas bordered by municipal walkways and right-of-ways.

Below is the Assessment Summary Table presenting our recommended actions for the Subject Property. MEI's Findings and Opinions and Recommendations for further action or investigation (if any), are presented in Section 10.0.

ASSESSMENT SUMMARY TABLE			
Assessment Component	**Section(s)**	**Recommended Actions**	**Estimated Cost**
Historical Review	5.3, 5.4 & 5.5	No Further Action	
Current Occupants / Operations	3.3	No Further Action	
Hazardous Substances / Petroleum Products	7.2	No Further Action	
Drains, Sumps & Storm Water Drywells	7.2	Removal of impacted sediment from interior floor drain (as referenced in PW Grosser Phase II ESA Report)	TBD
Storage Tanks	7.2	No Further Action	
PCBs	7.2	No Further Action	
Regulatory Agency / Database Review	5.1	No Further Action	
Asbestos Containing Materials	9.1	Deferred Action	
Lead Based Paint	9.2	Deferred Action	
Lead in Drinking Water	9.3	No Further Action	
Radon	9.4	No Further Action	
Mold	9.5	No Further Action	
Wetlands	9.6	No Further Action	

2.0 INTRODUCTION

2.1 Purpose

MEI has performed a Phase I Environmental Site Assessment (Phase I ESA) of property located at 45-35 11th Street in Long Island City, New York (Subject Property). The purpose of this Phase I Environmental Site Assessment (Phase I ESA) is to investigate and identify recognized environmental conditions associated with the Subject Property and/or surrounding property. Recognized environmental conditions, as defined in the ASTM Standard Practice E 1527-05, including the following:

The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

For the purpose of this Phase I ESA, *recognized environmental conditions (REC's),* may also include the presence or likely presence of other conditions as noted in the Scope of Services.

2.2 Scope of Services

This ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1527-05. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1527-05 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils and hydrologic data.
- Subject Property history through a review of referenced sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Current Subject Property conditions, including observations and interviews regarding the following: the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or biomedical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground and underground).
- Usage of surrounding area properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Subject Property.
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances.
- Past ownership through a review of available prior reports and local municipal file review.
  The scope-of-work also included consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E 1527-05: asbestos-containing materials (ACM), lead-based paint (LBP), lead in drinking water, radon, mold, and wetlands.

2.3 Assumptions and Limitations

There is a possibility that even with the proper application of these methodologies there may exist on the Subject Property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. MEI believes that the information obtained from the record review and the interviews concerning the Subject Property is reliable. However, MEI cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The methodologies of this assessment are not intended to produce all inclusive or comprehensive results, but rather to provide the User with information relating to the Subject Property.

The findings, opinions and conclusions of this report contain the limitations inherent in these methodologies that are referred to in ASTM E 1527-05. Specific limitations and exceptions to this ESA are set forth below:

Historical and environmental information pertaining to the Subject Property has been included in this report to the extent that such information is "reasonably ascertainable" as defined in the above-referenced standard practice and in accordance with the project specific timeframes.

MEI reviewed an environmental database search report. MEI's conclusions based on the search report are limited to the accuracy of that report. To the extent possible, MEI's field observations are used to verify the information or identify errors and inconsistencies in the search report regarding the listed facilities in the immediate vicinity of the Subject Property.

With respect to conditions outside the scope of the ASTM Standard, MEI's observations are limited to physical observations and a review of published data. Unless otherwise stated, no sampling for Asbestos Containing Materials, Lead Based Paint, Drinking Water, Radon, Mold or Wetlands was conducted.

2.4 Special Terms and Conditions

This Phase I Environmental Site Assessment (the report) has been prepared to assist Shine Electronics in its underwriting of a proposed mortgage loan or financing on the Subject Property. This report can be relied upon by only the parties stated in the transmittal letter at the front of this report. MEI's liability to a purchaser wishing to use this report is limited to the cost of the report. Amendments to MEI's limitations as stated herein that may occur after issuance of the report are considered to be included in this report. Payment for the report is made by, and MEI's contract and report extends to Shine Electronics only, in accordance with MEI Terms and Condition and the MEI Scope of Work.

2.5 Data Gaps

Any data gaps identified herein, as defined by ASTM Practice E 1527-05 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the Subject Property and do not alter the conclusions of this report.

3.0 SITE DESCRIPTION

3.1 Ownership and Location

According to the Automated City Register Information System (ACRIS) operated by the New York City Department of Finance identified the Subject Property as Block 54 Lot 20 and the Subject Property is owned by M/M Paul Horowitz.

The property is located at 45-35 11th Street in Long Island City, NY. MEI did not identify any prior owners or occupants of potential environmental concern in the property records obtained from the NYC Department of Finance.

3.2 Improvements

The Subject Property includes a rectangular-shaped parcel totaling approximately 0.28 acres. The Subject Property is currently improved with one (1) industrial building. The building is 13,400 square feet in size and has a main floor, a second floor, and a partial basement and is currently occupied by Wayland Industries (a wire spooling facility). The main floor of the building contains an office area and warehouse area that contains storage areas, wire assembly and cutting areas and a loading dock area. The second floor of the building is occupied by office space. The building occupies the majority of the parcel with minimal areas of exposed grounds or landscaped areas bordered by municipal walkways and right-of-ways.

3.3 Current Use of the Subject Property

At the time of inspection, the Subject Property was occupied by Wayland Industries (a wire spooling facility). The main floor of the building contains an office area and warehouse area that contains storage areas, wire assembly and cutting areas and a loading dock area. The second floor of the building is occupied by office space.

3.4 Services, Utilities and Roadways

Street Address(es): 45-35 11th Street

City and State: Long Island City, New York

County: Queens

Owner: M/M Paul Horwitz

Property Size: 0.42 acres

Access Roadway to site: 45th Road to the north of the Subject Property, 11th Street to the west of the Subject Property and 46th Avenue to the south of the Subject Property

Site Use: One (1) two story industrial building

Occupants: The building is currently occupied by Wayland Industries (a wire spooling facility). The main floor of the building contains an office area and warehouse area that contains storage areas, wire assembly and cutting areas and a loading dock area. The second floor of the building is occupied by office space.

Electricity Provider: Consolidated Edison

Natural Gas Provider: National Grid

Fuel Oil Provider: N/A

Potable Water: Municipal Water Supply

Sewer Services: Municipal Sewer System

Heating System: The commercial tenants are presently heated by natural gas fired individual heating systems that are located inside each commercial tenant. There were overhead heating units located inside the commercial tenants.

3.5 Adjoining Properties

The current use of the adjoining properties is industrial and residential. The Subject Property borders are as follows:

North - The property is bordered to the north by 45th Road and a park.

South - The property is bordered to the south by 46th Avenue and an apartment building under construction.

East - The property is bordered to the east by the Shine Electronics Company building.

West - The property is bordered to the west by 11th Street, a mechanical company building and apartment buildings.

4.0 USER PROVIDED INFORMATION

4.1 Environmental Pre-Survey Questionnaire

Pursuant to ASTM E 1527-05, MEI requested the following site information from the User of this report and from the site contact. The following section summarizes information provided by Shine Electronics with regard to this Phase I Environmental Site Assessment.

ITEM	PROVIDED BY USER	NOT PROVIDED BY USER	DISCUSSED BELOW	DOES NOT APPLY
4.1 Environmental Pre-survey Questionnaire		X		
4.2 Title Records		X		
4.3 Environmental Liens or Activity and Use Limitation		X		
4.4 Specialized Knowledge		X		
4.5 Commonly Known or Reasonably Ascertainable Information		X		
4.6 Valuation Reduction for Environmental Issues		X		
4.7 Identification of Key Site Manager		X		
4.8 Reason for Performing Phase 1 ESA	X			
4.9 Prior Environmental Reports	X			

4.2 Title Records

Title record information associated with the Subject Property has not been provided to MEI by Shine Electronics. Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A "chain of title" is a continuous record of ownership for a specific parcel. A 50-year chain of title search was not included in the scope of work for this assessment.

4.3 Environmental Liens or Activity and Use Limitation

The property owner/user/key site personnel did not report any Environmental Liens or Activity/Use Limitations on the site. An environmental lien search was not included in the scope of work of this assessment and therefore was not performed. However, if the findings of a lien search performed by any other party does reveal the presence of an environmental related lien on the subject property, this information should be forwarded to MEI for review, and any significant findings will be added to this assessment as an addendum to this report.

4.4 Specialized Knowledge

Shine Electronics provided no specialized knowledge that is material to recognized environmental conditions in connection with the Subject Property. MEI was not provided with or made aware of previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the Subject Property, except as presented in Section 4.3 of this report.

4.5 Commonly Known or Reasonably Ascertainable Information

Shine Electronics have provided no commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

4.6 Valuation Reduction for Environmental Issues

Shine Electronics have provided no information regarding valuation reduction for environmental issues in connection with the Subject Property.

4.7 Identification of Key Site Manager

Shine Electronics provided contact information for the Subject Property owner, manager and/or occupants. The Contact person for site access was Ms. Lisa Lee.

4.8 Reason for Performing Phase I ESA Report

The purpose of this Phase I Environmental Site Assessment (ESA) was to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) in connection with the Subject Property. This ESA was also performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "landowner liability protections," or "LLPs"). ASTM Standard E-1527-05 constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

4.9 Prior Environmental Reports

MEI prepared a Phase I ESA of the Subject Property in June 2008 and reviewed P.W. Grosser Consulting (PWGC), February 2014 Phase II ESA report.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

Information from standard Federal and state environmental record sources was provided through Environmental Data Resources Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/-300 feet.

In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facility locations. These facilities are listed under the unmappables section within the EDR report. A review of the unmappable facilities indicated that none of these facilities are within the ASTM minimum search distance from the Site.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Site, was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site from the listed facilities (see appendix 12.5 for Environmental Database Report).

The following table provides a summary of the findings of the environmental database report. Specific properties identified within the database report are further discussed below.

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS			
Regulatory Database	**Approximate Minimum Search Distance**	**Subject Property Listed**	**Off-site Listings Within Search Distance**
Federal NPL Sites	1.0 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
Federal CERCLIS Sites	0.5 mile	No	0
Federal CERCLIS NFRAP Sites	0.5 mile	No	0
Federal RCRA CORRACTS Sites	1.0 mile	No	1
Federal RCRA Generators Sites	Property & Adjoining	No	0
Federal RCRA Non-CORRACTS TSD Sites	0.5 mile	No	0
Federal Engineering / Institutional Control Sites	Property & Adjoining	No	0
Federal ERNS Sites	Subject Property	No	0
State and Tribal equivalent NPL Sites	1.0 mile	No	0
State and Tribal equivalent CERCLIS Sites	0.5 mile	No	8
State and Tribal Leaking Storage Tank Sites	0.5 mile	No	57
State and Tribal Spills Sites	Subject Property	No	0
State and Tribal Landfill or Solid Waste Disposal Sites	0.5 mile	No	3
State and Tribal Registered Storage Tank Sites	Property & Adjoining	Yes	0
State and Tribal Engineering / Institutional Control Sites	Property & Adjoining	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	3
State and Tribal Brownfield Sites	0.5 mile	No	4

- ***Federal National Priority List (NPL) Sites***

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program. The Subject Property is not listed as a Federal NPL site. No Federal NPL sites are located within a mile radius of the Subject Property.

- ***Federal Delisted National Priority List (NPL) Sites***

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. The Subject Property is not listed as a Federal Delisted NPL site. No Federal Delisted NPL sites are located within a mile radius of the Subject Property.

- ***Federal CERCLIS Sites***

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances. The Subject Property is not listed as a Federal CERCLIS site. No Federal CERCLIS sites are listed within a half mile radius of the Subject Property.

- ***Federal CERCLIS NFRAP Sites***

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment. The Subject Property is not listed as a Federal CERCLIS-NFRAP site. There were no Federal CERCLIS NFRAP sites listed within a half mile radius of the Subject Property.

- ***Federal RCRA CORRACTS Sites***

RCRA Corrective Action Tracking System (CORRACTS) is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information regarding sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The RCRA-CORRACTS database identifies Transportation, Storage or Disposal (TSD), facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA. The Subject Property was not identified on the RCRA CORRACTS site list. There were two (2) RCRA CORRACTS sites within a mile radius of the Subject Property. Neither of these sites would have an apparent adverse impact on the Subject Property based upon the distance to the Subject Property and direction of groundwater flow (see appendix 12.5 Environmental Database Report regarding these sites).

- ***Federal RCRA Hazardous Waste Generators Sites***

Hazardous waste generators tracked under the Resource Conservation and Recovery Act (RCRA) are classified as either Large Quantity Generators (LQGs), Small Quantity Generators (SQGs), or Conditionally Exempt Small Quantity Generators (CESQGs). A RCRA-LQG is a facility that generates over 1,000 kilograms (Kg) of hazardous waste. A RCRA-SQG is a facility that generates between 100 Kg and 1,000 Kg of hazardous waste per month while a RCRA-CESQG generates less than 100 Kg of hazardous waste per month. The Subject Property is not listed as a Federal RCRA Hazardous Waste Generator site.

- ***Federal RCRA non-CORRACTS TSD Sites***

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) sites are required to register hazardous waste activity under the Resource Conservation and Recovery Act (RCRA). The Subject Property is not listed as a Federal RCRA non-CORRACTS TSD site. The Subject Property is not listed as a Federal RCRA non-CORRACTS TSD Site. There were no Federal RCRA non-CORRACTS TSD sites within a mile radius of the Subject Property.

- ***Federal Engineering Control / Institutional Control Sites***

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither the Subject Property nor any of the surrounding properties were listed as a Federal Engineering Control or Institutional Control Site.

- ***Federal Emergency Response Notification System (ERNS) Sites***

ERNS is a national database used to collect information regarding reported releases of petroleum products and/or hazardous substances. The database contains information from spill reports submitted to Federal agencies, including the EPA, the U.S. Coast Guard, the National Response Center, and the U.S. Department of Transportation. A review of this database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property. The Subject Property is not listed as a Federal ERNS site.

- ***State and Tribal equivalent NPL Sites***

State and Tribal equivalent NPL databases were searched for sites located within 1.0 mile of the Subject Property. The Subject Property is not listed as a State and Tribal equivalent NPL Site. There were no State and Tribal equivalent NPL Sites within a mile radius of the Subject Property.

- ***State and Tribal equivalent CERCLIS Sites***

State and Tribal equivalent CERCLIS databases were searched for sites located within 0.5 mile of the Subject Property. The Subject Property is not listed as a State and Tribal equivalent CERCLIS Site. There were eight (8) State and Tribal equivalent CERCLIS Sites within a half mile radius of the Subject Property. None of these sites would have an apparent adverse impact on the Subject Property based upon the distance to the Subject Property and direction of groundwater flow (see appendix 12.5 Environmental Database Report regarding these sites).

- ***State and Tribal Leaking Storage Tank Sites***

Leaking Storage Tank Sites are properties where releases of hazardous substances or petroleum products from underground storage tanks (USTs) and/or aboveground storage tanks (ASTs) have been identified and reported to state, tribal, or local agencies.

The Subject Property is not listed as a State and Tribal Leaking Storage Tank site. However, fifty seven (57) sites located within 0.5 mile of the Subject Property were identified as State and Tribal Leaking Storage Tank Sites. Of the listed sites, fifty three (53) sites are located greater than 0.125 mile from the Subject Property and based on the distance from the Subject Property and the dense urban environment surrounding the Subject Property, these sites are considered unlikely to represent an existing release, past release or material threat of release of hazardous substances or petroleum products on the Subject Property.

The four (4) remaining listed site located within 0.125 mile of the Subject Property have been investigated by the NYSDEC and have been closed by the NYSDEC with no further action required. Based upon the current regulatory status, separating distance, presumed hydrogeologic gradient relative to the Subject Property, and/or reported nature/extent of contamination, it is considered unlikely that conditions associated with these identified Leaking Storage Tank sites represent an environmental concern to the Subject Property.

- ***State and Tribal Spills Sites***

A review of the State and Tribal Spills database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property. The Subject Property is not listed as a State and Tribal Spills site. None of the reported spills listed within a half mile of the Subject Property would have an apparent adverse impact on the Subject Property.

- ***State and Tribal Landfill Sites and Solid Waste Disposal Sites***

The State and Tribal landfill and solid waste disposal site databases identify active or inactive landfill and transfer station facilities, as well as open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites. The Subject Property is not listed as a State and Tribal landfill and solid waste disposal site. Three (3) State and Tribal landfill and solid waste disposal sites are listed within 0.5 mile of the Subject Property. None of these sites would have an apparent adverse impact on the Subject Property based upon the distance to the Subject Property and direction of groundwater flow (see appendix 12.5 Environmental Database Report regarding these sites).

- ***State and Tribal Registered Storage Tank Sites***

The Subject Property is not listed as a State and Tribal Registered Storage Tank site. None of the adjoining properties were identified as State and Tribal Registered Storage Tank sites.

- ***State and Tribal Engineering Control / Institutional Control Sites***

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither the Subject Property nor any of the surrounding properties were listed as a State Engineering Control or Institutional Control Site.

- ***State and Tribal Voluntary Cleanup Sites***

The Subject Property is not listed as a State and Tribal Voluntary Cleanup site. Three (3) State and Tribal Voluntary Cleanup Sites are listed within 0.5 mile of the Subject Property. None of these sites would have an apparent adverse impact on the Subject Property based upon the distance to the Subject Property and direction of groundwater flow (see appendix 12.5 Environmental Database Report regarding these sites).

- ***State and Tribal Brownfield Sites***

The Subject Property is not listed as a State and Tribal Brownfield site. Four (4) State and Tribal Brownfield Sites are listed within 0.5 mile of the Subject Property. None of these sites would have an apparent adverse impact on the Subject Property based upon the distance to the Subject Property and direction of groundwater flow (see appendix 12.5 Environmental Database Report regarding these sites).

5.2 Local Regulatory Agency Records

Local municipal offices consulted during the completion of this assessment included the New York City Building Department, the New York City Department of Finance and the New York City Fire Department. MEI did not identify documented adverse environmental conditions, violations, or complaints associated with the Subject Property in the information provided by these agencies. Similarly, MEI did not identify records of spills or releases of hazardous substances or petroleum products having occurred at the Subject Property in the information provided by these agencies.

New York City Building Department

MEI reviewed information listed in the online NYC Building Information System (BIS) provided by the New York City Building Department's website, http://a810-bisweb.nyc.gov/bisweb/bsqpm01.jsp. According to information viewed on the New York City Building Department's website, a variety of interior renovations, building improvements and system upgrades have occurred throughout its history, which is not uncommon for a property of this age and type. The review of New York City Building Department property profile overview indicated that the Subject Property has an E restriction of Hazmat/Air. It is recommended that the property owner submit all documentation associated with this designation to the New York City Office of Environmental Remediation (NYCOER), in order to determine the requirements for addressing the E designation assigned to the Subject Property prior to any planned construction activities. Copies of the New York City Building Department records are presented in Appendix 12.4.

New York City Department of Finance

MEI reviewed information provided by the New York City Department of Finance. Specific information provided by the New York City Department of Finance includes lot sizes and dimensions, building sizes, building zoning and use, and the approximate date of construction. The information provided by New York City Department of Finance did not identify any conditions or reported events that would indicate the presence of a recognized environmental condition in connection with the Subject Property. The building was constructed on the Subject Property in 1956. Copies of the New York City Department of Finance records are presented in Appendix 12.4.

New York City Fire Department

MEI reviewed information provided by the New York City Fire Department (NYCFD). Specific information obtained from the NYCFD includes any active and/or voided storage tank permits for the Subject Property. A review of the NYCFD storage tanks files indicated that there were no "active" tank accounts for any underground or aboveground storage tanks at the Subject Property.

5.3 Sanborn Fire Insurance Maps

Historical fire insurance maps depicting the Subject Property were reviewed and are summarized in the following table. Copies of the fire insurance maps are presented in Appendix 12.6.

FIRE INSURANCE MAP SUMMARY		
Year	Issues Noted	Observations
1898	No	Subject Property: The 1898 Sanborn Map shows the Subject Property as undeveloped land.
		Surrounding Area: The 1898 Sanborn Map shows the surrounding properties east and south as undeveloped land. East Avenue (a.k.a. 11th Street) is in place to the west, 11th Street (a.k.a. 45th Road) is in place to the north, and 10th Street (a.k.a. 46th Avenue) is in place to the south of the Subject Property. Usage north of 11th Street (a.k.a. 45th Road) and usage west of East Avenue (a.k.a. 11th Street) is not covered by the map.
1915	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1898 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1898 Sanborn Map.
1936	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1915 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1915 Sanborn Map.
1947	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1936 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1936 Sanborn Map.
1950	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1947 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1947 Sanborn Map.
1970	No	Subject Property: The 1970 Sanborn Map shows the Subject Property occupied by the existing commercial building.
		Surrounding Area: The 1970 Sanborn Map shows the surrounding property to the east and south occupied by commercial buildings. Usage beyond 45th Road to the north and 11th Street to the west is not covered on the map.
1979	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1970 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1970 Sanborn Map.
1986	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1979 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1979 Sanborn Map.
1990	No	Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1986 Sanborn Map.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1986 Sanborn Map.

5.4 Aerial Photographs

Historical aerial photographs may be used to evaluate changes in land use and to identify visible areas of potential environmental concern. A search for historical aerial photographs depicting the Subject Property and vicinity was conducted by researching available historical aerial photographs from www.historicaerials.com and other available resources. Aerial photographs depicting the Subject Property were reviewed and are summarized in the following table.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Issues Noted**	**Observations**
1954	**No**	**Subject Property: The 1954 photograph appears to show the Subject Property as undeveloped land.**
		Surrounding Area: The 1954 photograph shows the presence of a commercial building to the east. To the north is 45th Road, then an undeveloped lot, to the south is 46th Avenue then an undeveloped lot, and to the west is 11th Street then a commercial building.
1966	**No**	**Subject Property: The 1966 photograph shows the presence of the existing industrial building on the Subject Property.**
		Surrounding Area: The 1966 photograph shows the presence of commercial buildings to the north, south, east, and west of the Subject Property.
1974	**No**	**Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1966 photograph.**
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1966 photograph, with the exception of the property to the north which appears to be undeveloped land.
1980	**No**	**Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1974 photograph.**
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1974 photograph, with the exception of the property to the north which appears to have been developed as a park.
2004	**No**	**Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 1980 photograph.**
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1980 photograph.
2006	**No**	**Subject Property: Conditions on the Subject Property appear to be similar to those depicted on the 2004 photograph.**
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 2004 photograph.

5.5 City Directories

Street directories are commercial publications containing names and addresses, and in many cases, occupations of the occupants of a particular community. The directories may also contain information pertaining to business processes conducted within a community. A search for historical street directories was conducted by MEI and EDR. Historical street directories were reviewed and are summarized in the following table. Copies of the street directories are presented in Appendix 12.6.

Year	Occupants
1922	No listing
1934	No listing
1939	No listing
1945	No listing
1950	No listing
1962	No listing
1967	No listing
1970	No listing
1976	No listing
1983	No listing
1991	No listing
1996	No listing
2000	Wayland Industries
2005	Wayland Inc.
2008	Assembly Process Co Inc, Wayland Industries Inc.
2013	Wayland Industries Inc.

6.0 PHYSICAL SETTING

6.1 Topography

The Subject Property and vicinity characteristics listed below were analyzed utilizing a current USGS 7.5 Minute Topographic Map. This information is useful in determining the grade and topography of the Subject Property. The Subject Property is located at an elevation of approximately 12 feet above mean sea level (msl). The topography of the Subject Property is relatively flat and there were no slopes, depressions or rolling hills observed on the Subject Property and slopes on the Subject Property range from 0 to 3 percent. The Subject Property has been graded for commercial usage.

6.2 Geology and Soils

No bedrock outcroppings were observed at the Subject Property. Near-surface geology in heavily developed areas such as the Subject Property and vicinity is considered "urban land" and is characterized by a non-homogeneous distribution of soil and fill types. Excavation and backfilling for building foundations, utility conduits, subway systems and other construction results in a varied subsurface profile. In this setting, estimation of local subsurface parameters such as permeability, moisture content, and organic fraction is not feasible without site-specific testing data.

6.3 Hydrogeology and Hydrology

No natural surface water bodies were identified on or adjacent to the Subject Property. The nearest surface water body is the East River.

Local groundwater gradient is expected to follow surface topography; therefore, groundwater flow near the Subject Property is expected to flow to the west. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

7.0 SUBJECT PROPERTY RECONNAISSANCE

The Subject Property reconnaissance was conducted by Mr. Donald J. Middleton Jr., President of MEI, on February 14, 2014. Mr. Middleton was accompanied by the property manager during the site inspection.

7.1 Methodology and Limited Conditions

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares. Building exteriors were observed along the perimeter from the ground, unless described otherwise.

7.2 Physical Observations

Underground Storage Tanks

There was an oil fill port and vent pipe for an underground storage tank noticed on the south side of the building. There was also a petrometer in the basement of one (1) 2,500 gallon storage tank. The tank located in a concrete vault adjacent to the basement boiler room. It was reported in MEI's 2008 Phase I ESA report that this tank was abandoned in-place several years ago. The tank was not properly registered with the New York State Department of Environmental Conservation (NYSDEC). As part of PWGC's 2014 Phase I ESA, soil borings were extracted from the tank area and no elevated levels of contamination were encountered in the vicinity of this tank. A review of available Sanborn Fire Insurance Maps did not indicate the presence of any buried tanks on the Subject Property.

Aboveground Storage Tanks

MEI did not observe any aboveground storage tanks at the Subject Property.

Hazardous Substances and Petroleum Products

MEI did not observe hazardous substances or petroleum products at the Subject Property.

Non-Hazardous Substances and Petroleum Products

MEI did not observe any non-hazardous substances or petroleum products at the Subject Property.

Unidentified Substances Containers

MEI did not observe any unidentified substances containers at the Subject Property. MEI did observe one (1) 55-gallon drum that was utilized as garbage can inside the warehouse area on the main floor. There were no signs of staining or leakage noticed in the vicinity of the 55-gallon drum. No 55-gallon drum storage areas were noticed on the exterior portions of the Subject Property.

Drains or Storm Water Drywells

MEI did not observe any storm water drywells at the Subject Property. However, there was one (1) floor drain noticed inside the loading dock area on the main floor that did not show any signs of chemical staining. As part of PWGC's Phase I ESA, a sample of the sediment from this base of this drain was extracted and low level impact was identified in the floor drain. PWCG recommended that the impacted sediment be removed from the drain and properly disposed of offsite. Additionally, the drain should be repaired so that it can properly be used or properly abandoned to prevent future potential impacts to the subsurface. MEI concurs with this recommendation.

In addition, there was one (1) sump drain noticed in the partial basement that did not show any signs of chemical staining (this drain did not apparently discharge to the subsurface and discharged to the municipal sewer system).

Polychlorinated Biphenyls (PCB's)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979 before being banned by Congress. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. MEI did not observe any PCB-containing equipment at the Subject Property.

Stains or Corrosion

MEI did not observe any stains or corrosion at the Subject Property.

Odors

MEI did not observe any strong, pungent or noxious odors at the Subject Property.

Pools of Liquid

MEI did not observe any pools of liquid at the Subject Property.

Stressed Vegetation

MEI did not observe any stressed vegetation at the Subject Property.

Stained Soil or Pavement

MEI did not observe any stained soil or pavement at the Subject Property. There were several wire rope assembly and cutting machines noticed inside the wire rope assembly and cutting areas on the main floor that did not show any signs of staining or leakage.

Wells

MEI did not observe any irrigation wells or groundwater monitoring wells at the Subject Property.

Sumps, Pits, Ponds or Lagoons

MEI did not observe any pits, ponds or lagoons at the Subject Property. One (1) sump drain was noticed in the partial basement and was further discussed above.

Waste Water

MEI did not observe any improper disposal of waste water into drains, ditches or streams at the Subject Property.

Solid Wastes Disposal

All solid wastes generated on-site are carted away by a licensed waste hauler to an approved solid waste facility and are not disposed at on-site.

8.0 INTERVIEWS

8.1 Interview With Property Owner and/or Property Manager

The Subject Property manager was interviewed during the site reconnaissance and the property manager did not did not indicate the presence of any environmental liens or was unaware of any contamination concerns regarding the Subject Property.

9.0 CONDITIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-05

9.1 Asbestos Containing Material (ACM)

Asbestos is a term used to describe a group of six naturally occurring crystalline fiber minerals. Asbestos has excellent thermal stability, a high degree of tensile strength, and has been used extensively in the textile, insulation, and building industries, particularly as a component in fireproofing, decorative coatings, insulation materials, and as reinforcement for plaster binders in building products. Asbestos-containing building materials are generally classified as friable or non-friable. Friable ACM are those which can be crumbled, pulverized, or reduced to powder by hand pressure, or by normal use or maintenance can be expected to emit asbestos fibers into the air. Non-friable ACM is a potential concern if it is damaged by maintenance work, demolition, or other activities, at which time it may be considered friable.

It should be noted that the limited visual screening survey conducted under the scope of work for this assessment does not constitute a full asbestos inspection, in which all areas of the building would have been thoroughly surveyed and sampled. MEI observed the presence of 9 by 9 inch vinyl floor tiles in the main floor office area and approximately fifty (50) linear feet of ACM on an overhead pipe on the main floor. The ACM observed was in good condition and removal is not recommended. It is recommended that a sample of the floor tiles be analyzed for asbestos contact prior to any planned renovation activities. There were no signs of ACM fireproofing noticed inside the building and no signs of ACM noticed on the boiler in the basement of the building.

9.2 Lead Based Paint (LBP)

Use of lead in household paint was banned by the U.S. Environmental Protection Agency (EPA) effective January I, 1978. The EPA and the U.S. Department of Housing and Urban Development (HUD) consider lead based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm') or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

MEI observed that there were no signs of severe peeling or flaking paint inside the building with the exception of the corridor areas and it is recommended that these areas be repaired and repainted.

9.3 Lead in Drinking Water

Lead has historically been used in pipes, solder, and brass fixtures used in water distribution systems and building plumbing systems. In 1986, the USEPA banned the use of lead at concentrations exceeding 0.2% lead in solder and 8% lead in other plumbing materials. Lead in drinking water results primarily from corrosion of lead containing materials in service lines or from corrosion of lead containing materials in building plumbing such as lead solder, brass, bronze, and other lead containing alloys. The USEPA Action Level for lead in public drinking water supplies is 0.015 parts per million (ppm) or 0.015 milligrams per liter (mg/L). MEI did not observe any brass fixtures or lead fixtures at the Subject Property.

9.4 Radon

Radon is a colorless, odorless, radioactive gas. Radon comes from the natural decay of uranium that is found in nearly all soils. Radon typically moves through the ground and into building through cracks and openings in the foundation. The USEPA has developed a "Map of Radon Zones" indicating the levels of radon concentrations from testing and aerial surveys conducted in all counties in New York State. The U.S. Environmental Protection Agency's Map of Radon Zones identified the Subject Property as a radon zone Level 3. Level 3 signifies that the average predicted radon level indoors is less than 2 pico-Curies per liter and this is the lowest level in the state. This level compares favorably with the EPA action level of 4.0 pico-Curies per liter as the guideline (it should be noted that current radon information and EPA Action Levels are designated for residential spaces only. Commercial and industrial facilities are not subject to EPA's Action Level of 4 pico-Curies per liter as the guideline and definitive information concerning radon gas in an individual building can only be obtained through long term testing).

9.5 Mold

Molds are a class of fungi, and have been found to cause a variety of health problems in humans, including allergic, toxicological, and infectious responses. Molds are decomposers of organic materials, and thrive in humid environments. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation and carpeting often play host to such growth.

As part of this assessment, MEI performed a limited visual inspection for the conspicuous presence of mold. MEI observed the accessible interior areas of the Subject Property structure, including interior walls and ceilings for the presence of conspicuous mold or observed water intrusion or accumulation. This evaluation did not include a review of pipe chases or areas behind enclosed walls and ceilings. MEI did not observe conspicuous visual or olfactory indications of the presence of mold, nor did MEI observe obvious indications of significant water damage inside the accessible areas of the building.

9.6 Wetlands

MEI reviewed available information regarding wetlands on the Subject Property, including National Wetlands Inventory online GIS mapping. MEI additionally made general site observations for readily observable potential wetland characteristics. MEI did not observe surface water bodies or any evidence of potential wetlands on or adjacent to the Subject Property.

10.0 FINDINGS, OPINIONS AND RECOMMENDATIONS

MEI has performed this Phase I Environmental Site Assessment of the Subject Property in conformance with the scope and limitations of ASTM Standard E 1527-05. This assessment has identified no evidence of recognized environmental conditions (RECs) in connection with the Subject Property.

The site reconnaissance, interviews and review of records have not found the presence or possible presence of hazardous substances or petroleum related products that could indicate an existing release, past release or significant threat of a release into structures on the property, into ground, groundwater or surface water.

However, there was one (1) floor drain noticed inside the loading dock area on the main floor that did not show any signs of chemical staining. As part of PWGC's Phase I ESA, a sample of the sediment from this base of this drain was extracted and low level impact was identified in the floor drain. PWCG recommended that the impacted sediment be removed from the drain and properly disposed off-site. Additionally, the drain should be repaired so that it can properly be used or properly abandoned to prevent future potential impacts to the subsurface. MEI concurs with this recommendation.

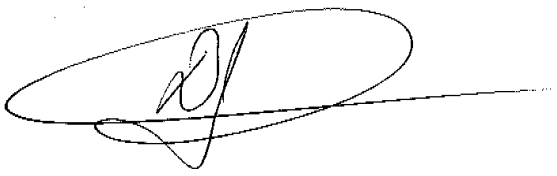
The only conditions outside of ASTM E 1527-05 that were identified in connection with the Subject Property were that MEI observed the presence of 9 by 9 inch vinyl floor tiles in the main floor office area and approximately fifty (50) linear feet of ACM on an overhead pipe on the main floor. The ACM observed was in good condition and removal is not recommended. It is recommended that a sample of the floor tiles be analyzed for asbestos contact prior to any planned renovation activities. Lastly, MEI observed the presence of peeling or flaking paint inside the corridor areas and it is recommended that these areas be repaired and repainted.

It is the opinion of MEI that no further testing (subsurface or otherwise), is warranted on the Subject Property (with the exception of the aforementioned remedial activity of the on-site floor drain).

11.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

This Phase I Environmental Site Assessment (ESA) Report documents the research methodology used by qualified environmental professionals of MEI to identify recognized environmental conditions using the scope and limitations of ASTM Standard E 1527-05.

Middleton Environmental Incorporated



Prepared by: Donald J. Middleton Jr.
President

APPENDIX F

Regulatory Review Database Report

APPENDIX G

Qualifications of Environmental Professionals

Ecosystems Strategies, Inc.

Paul H. Ciminello, CEM, CAQS
PRESIDENT
paul@ecosystemsstrategies.com

EDUCATION

Master of Environmental Management, 1986
School of the Environment, Duke University, Durham, North Carolina

Master of Arts in Public Policy Sciences, 1986
Institute of Policy Sciences and Public Affairs, Duke University, Durham, North Carolina

Bachelor of Arts, 1980
Tufts University, Medford, Massachusetts

CERTIFICATIONS AND TRAINING

Certified Qualified Environmental Professional (QEP), Institute of Professional Environmental Practice (Cert. Number 08130024)
In compliance with OSHA Hazardous Materials Safety (29 CFR 1910) requirements (updated 2012)
Certified Air Quality Specialist, Environmental Assessment Association, 2007
Certified Environmental Manager, Environmental Assessment Association, 2006
NJ Dept. of Environmental Protection Licensed Subsurface Evaluator (License Number: 0014686)
NYS Dept. of Labor Certified Asbestos Building Inspector (Cert. Number: AH92-14884)
NYS Department of State, Division of Licensing Services, Real Estate Instructor

PROFESSIONAL EXPERIENCE

President, Ecosystems Strategies, Inc., Poughkeepsie, New York *1992 to present*

Coordinates corporate strategic planning, financial management and marketing activities. Oversees corporate work on state and federal superfund sites and manages education/training services. Responsible for technical services in areas of pollution prevention, contaminant delineation and site remediation. Twenty years experience in the investigation and remediation of petroleum contamination at commercial and residential properties. Major recent projects of relevance include:

- Irvington Waterfront Park (Irvington, NY): Project Manager for site investigation and remedial design of abandoned industrial riverfront properties. Documented soil and groundwater contamination and designed remediation including soil removal and site capping. Project completed in 2000; project awarded the 2000 Gold Medal Award by Consulting Engineers Council of New York State.

- Greyston Bakery Site (Yonkers, NY): Project Manager for site investigation and remedial design of former manufactured gas plant site for future use as a bakery. Documented soil, groundwater and soil gas contamination. Remedial systems included installations of a DNAPL collection system, a barrier layer, a subslab depressurization system under the building, and groundwater monitoring. Project completed in 2004.

- 400 Block Redevelopment (Poughkeepsie, NY): Project Manager for site investigation and remedial design of multi-use industrial development property (boiler repair, clothing manufacturer, auto repair) for future retail/residential use. Documented soil (petroleum, PCBs, metals) and groundwater (petroleum) contamination. Remedial systems include: soil (and tank) removal, installation of a barrier, and groundwater monitoring. Project completed in 2006.

- Prospect Court Housing Site (Bronx, NY): Project Manager for site investigation and remediation of a former gas station/auto repair facility. Documented contamination included both dissolved and free-phase petroleum hydrocarbons, dissolved halogenated solvents, and metals contamination in soil. Remedial systems consisted of In-Situ Chemical Oxidation, soil excavation, vapor interception systems, and on-going groundwater monitoring. Project anticipates securing Certificate of Completion from the NYSDEC in December 2012.

- Parkview Commons Site (Bronx, NY): Project Manager for site investigation and remedial design of former gas station/auto repair facility for future use as a residential/commercial building. Certificate of Completion was secured from the NYSDEC in 2007.

Senior Hazardous Waste Specialist, U.S. Hydrogeologic, Inc., Poughkeepsie, New York 1986 to 1992

Supervisor for corporate hazardous and solid waste investigatory and remedial services. Major projects included:

- Coordination of subsurface investigations at a New York State Superfund site (former industrial facility); project manager in charge of site reclassification (delisted as of January, 1991).
- Coordination of petroleum storage tank management plan for Dutchess County (NY) Department of Public Works, including an assessment of regulatory compliance, product utilization and physical conditions of more than 100 tanks at over 20 facilities.
- Environmental compliance Audit of 42,000-square foot printing facility with specific remediations for solvent handling/disposal, inks storage and metal recovery processes.

Adjunct Professor, (various institutions) *1991 to Present*

Dutchess Community College, Poughkeepsie, New York
*M*arist College, Poughkeepsie, New York
Vassar College, Poughkeepsie, New York

Courses: Macroeconomics, Environmental Economics (DCC)
Introduction to Environmental Issues (Marist)
Environmental Geology (Vassar)

Policy Intern, Southern Growth Policies Board, North Carolina *1985*

Prepared several in-depth and short analyses of environmental and economic issues, with specific concern for their impact on Southern state policies. Analyses included: hazardous waste facility setting policies and environmental impacts of "high tech" industries on host communities.

Research Assistant, University of Oregon, Eugene, Oregon *1983*

Analyzed (with Dr. John Baldwin, Chairman of the Department of Planning, Public Policy and Management, U. of Oregon) the "Oregon Riparian Tax Incentive Program". Designed survey, conducted interviews and analyzed data. Summary paper with programmatic recommendations, was presented at the Annual Conference of the National Association of Environmental Educators.

PRESENTATIONS

- "Environmental Risks in Lending" Training Session for Pawling Savings Bank employees, December 18 and 19, 1989; and July 1, 1993.
- "Identifying Environmental Concerns in Appraisals", Workshops for Lakewood Appraisal Corporation, October, and November, 1989 and April, 1990.
- "State and Local Groundwater Protection Strategies", Annual meeting of the New York State Association of Towns, February, 1990.
- "Environmental Audits on Orchards and Agricultural Properties", Resource Education Institute, Inc., Real Estate Site Assessment and Environmental Audits Conference, December 4, 1990.

- "Environmental Audits on Orchards and Agricultural Properties", National Water Well Association Annual Conference, July 29-31, 1991.
- "Principles of Environmental Economics for Ground Water Professionals", National Groundwater Association Outdoor Action Conference, May 27, 1993.
- "Impact of Environmental Liabilities on Real Estate Transactions", a NYS Department of Education approved course for licensed real estate professionals, March 1995; April 1995; May 1995; October 1995.
- "Brownfields Redevelopment in New York: A Discussion of Two Case Studies", New England Environmental Conference 1996, March, 1996.
- "Quantifying Environmental Liabilities", a NYS Department of Education approved course for licensed real estate professionals, March 1997.
- "Environmental Assessments in Urban Settings", Vassar College, Fall 1999 and Fall 2000.
- "Navigating Property Contaminant Problems", Land Trust Alliance Rally 2001, Oct 2001.

ARTICLES

Ciminello, P. 1993. A Primer on Petroleum Bulk Storage Tanks and Petroleum Contamination of Property, ASHI Technical Journal, Volume 3, No. 1

Ciminello, P. 1991. Environmental Audits on Orchard and Other Agricultural Properties, Proceedings of the National Water Well Association Annual Conference

Ciminello, P. 1991. Property Managers Should Carefully Examine Current Fuel Storage Practices, NYS Real Estate Journal, Vol. 3, No. 9

Ciminello, P. 1991. New DEC Regulations Affect Development of Agricultural Lands, NYS Real Estate Journal, Vol. 3, No. 6

Ciminello, P., Hodges-Copple, J. 1986. Managing Toxic Risks From High Tech Manufacturing, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1986. State Assistance in Financing Water Treatment Facilities, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1985. Plants Amid Plantings: The Future Role of Environmental Factors in Business Climate Ratings, Southern Growth ALERT (Southern Growth Policies Board)

Ciminello, P., J. Baldwin, N. Duhnkrack,1984, An Incentive Approach to Riparian Lands Conservation, Monographs in Environmental Education and Environmental Studies (North American Association of Environmental Educators)

PROFESSIONAL AFFILIATIONS

American Water Resources Association
National Groundwater Association
Hazardous Materials Control Research Institute
Environmental Assessment Association

ADDITIONAL INFORMATION

Member, Dutchess County (NY) Youth Board (1987-1992); Chairman, 1992
Member, City of Poughkeepsie (NY) School District Ad Hoc Committee on Teen Parents and Pregnancy Prevention (1991)
Member, City of Poughkeepsie School District Budget Advisory Committee (1994 to 2000)
Member, City of Poughkeepsie PTA and Middle School Building Level Team

Scott Spitzer
Director of Environmental Investigations
scott@ecosystemsstrategies.com

PROFESSIONAL EXPERIENCE

Director of Environmental Investigations, Ecosystems Strategies, Inc., Poughkeepsie, NY 2013 - present

Management and quality review of environmental site assessments, technical environmental investigations, and remedial projects including Brownfield sites. Conducts research to obtain field and regulatory information about the environmental status of a designated area. Reviews all documents prepared by ESI to ensure consistency and technical accuracy. Responsibilities associated with the preparation of site assessments include: investigating site histories, conducting facility inspections, reviewing regulatory agency records, documenting facility compliance with relevant State and Federal regulations, and preparing reports. Management of complex technical environmental investigations (including sites currently on the NYSDEC Registry of Inactive Hazardous Waste Sites), including coordinating subcontractors, overseeing fieldwork, designing and implementing sampling plans, preparing technical reports, and interfacing with regulatory agency personnel.

Senior Project Manager, Long-Form Reports, The 451 Group, Inc., New York, NY 2008-2011

- Managed the production of over 150 technical white papers.

Senior Project Manager, Ecosystems Strategies, Inc., Poughkeepsie, NY 2001 - 2008

- Conducted Environmental Site Investigations and prepared final site assessment reports. Over 300 Investigations and Final Reports completed as lead manager.
- Investigated site histories.
- Conducted facility inspections.
- Reviewed regulatory agency records.
- Documented facility compliance with relevant State and Federal regulations.
- Conducted Phase II Technical Environmental Investigations and prepared technical reports.
- Researched field and regulatory information.
- Managed tank removals.
- Coordinated subcontractors.
- Oversaw fieldwork and handled collection of material, soil and water samples.

Select Projects

Scenic Hudson Land Trust, Inc., Beacon Waterfront Project, Beacon, NY

ESI conducted soil and groundwater investigations on a former MOSF and adjacent scrap yard. Projects involved soil remediation of both petroleum and PCB-contaminated soils and long-term groundwater monitoring. Both projects were classified as Voluntary Clean-Up projects by the NYSDEC and closure status was attained.

Sakmann Restaurant Corporation Site, Fort Montgomery, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations for former filling station and automotive repair garage contaminated by solvent and waste-oil discharges to an on-site drywell.

Designed and implemented a sampling plan for soils impacted by chlorinated hydrocarbons, petroleum, and metals. Created Workplan (in coordination with the NYSDEC Voluntary Cleanup Program) for remediation of on-site contamination and long-term sampling of on-site groundwater monitoring wells.

Staten Island Marina Site, Staten Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigation for an active marine facility engaged in boat painting and engine maintenance activities. Coordinated the delineation of metals contamination over a three-acre area and analyzed potential impacts from on-site fill materials. Submitted remedial and budgetary analysis in support of regulatory agency approval for conversion of boatyard into a public park.

Octagon House Development Site, Roosevelt Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at the former site of a large, urban hospital. Interpreted the results of geotechnical studies, extended test pits, and conducted extensive soil sampling, to document subsurface soil conditions in support of client's application to the U.S. Housing and Urban Development Agency (HUD). Created Workplan (in coordination with the NYCDEP Office of Environmental Planning and Assessment) for site-wide remediation of contaminated soils and secured NYCDEP approval for site remediation as required by HUD.

Camp Glen Gray Boy Scout Facility, Mahwah, NJ

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at an approximately 800-acre campground containing numerous structures. Documented subsurface soil conditions at the locations of aboveground and underground storage tanks, and delineated lead contamination at a former firing range. Assisted in design and implementation of remediation plans for removal of petroleum and lead contaminated soils, and obtained NJDEP approvals.

EDUCATION

SUNY at Stony Brook, Bachelor of Science - Biology, SUNY at Stony Brook *May 1992*
SUNY at Purchase, extensive studies in Environmental Science

PROFESSIONAL CERTIFICATIONS

OSHA Hazardous Waste Site Operations and Emergency Response (HAZWOPER) – 40 hr

APPENDIX H

Scope of Services

Ecosystems Strategies, Inc.

Phase I Environmental Site Assessment
Scope of Services

Task 1.0: Description of Subject Property and Surrounding Area Physical Settings

1.1 Description of property location, topography, geology, hydrogeology, surface hydrology and wetlands
1.2 Identification of adjoining and surrounding area properties

Task 2.0: Historic Investigation (Review of Applicable, Reasonably Ascertainable Sources)

2.1 Review of historic maps and plans (to the earliest date of available maps)
2.2 Review of aerial photographs
2.3 Review of local records (e.g., building department), including cursory ownership information and City Directories, if applicable.
2.4 Interviews with User, Key Site Manager, and other knowledgeable individuals.
2.5 Review of User or property owner provided documents (e.g., title reports, prior investigations) and/or analytical results

Task 3.0: Federal and State Regulatory Agency Records Review

3.1 Review of ASTM-required federal, state, and/or tribal databases at required search distances and analysis of the relationship of each Site (e.g., upgradient, downgradient) to the Subject Property;
- Federal NPL (1.0 mile) and delisted NPL sites (0.5 mile)
- Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
- Federal RCRA CORRACTS facilities list (1.0 mile)
- Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
- Federal RCRA generators list (subject/adjoining properties)
- Federal ERNS list (subject property)
- Federal, state, and tribal institutional control/engineering control registries (subject property)
- State- and tribal-equivalent NPL (1.0 mile)
- State- and tribal-equivalent CERCLIS (0.5 mile)
- State and tribal Brownfield and voluntary cleanup sites (0.5 mile)
- State and tribal leaking storage tank lists (0.5 mile)
- State (including locally administered) and tribal registered storage tank lists (subject/adjoining)
- State and tribal landfill and/or solid waste disposal site lists (0.5 mile)

3.2 Review of additional federal and state environmental databases:
- State spill file records (0.5 mile)
- State MOSF list (0.5 mile)
- State radon data (by local municipality as available)
- Federal and state wastewater discharge permits (subject/adjoining properties)

3.3 Interviews (as applicable) with government representative regarding regulatory compliance

Task 4.0: Physical Inspection

4.1 Inspection of property and structures for potential contamination and contaminant sources, including:
- Hazardous/medical/radioactive waste storage and disposal areas
- Petroleum and/or chemical storage (including tanks and associated piping)
- Overt indications, spatial extent, and current condition of asbestos-containing materials, lead-based paint and mold
- Wastewater and stormwater discharge systems
- Equipment potentially containing polychlorinated biphenyls (PCBs)

4.2 Inspection of external property for the following:
- Presence of contamination (e.g., debris, soil staining)
- Evidence of prior structures and uses
- Unusual or man-made topographical formations (e.g., berms, sinkholes)
- On-site surface water quality
- Evidence and location of wells
- Vegetative stress

4.3 Identification of overt on-site sensitive environmental receptors (e.g., wetlands)
4.4 Limited inspection of adjoining and nearby properties for:
- Potential off-site sources of contamination
- Sensitive environmental receptors

4.5 If appropriate, interviews with owners/tenants/operators and other available knowledgeable individuals present during physical inspection

Task 5.0: Preparation of Written Summary Report

5.1 Summary of findings of Tasks 1.0 through 4.0
5.2 Identification of any Recognized Environmental Conditions and/or other potential concerns
5.3 Conclusions and Recommendations, including any specific additional investigatory or remedial work
5.4 Production and transmission of the final Phase I ESA to Client.

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

June 11, 2014

Site Identification:	**11-22 45th Road Queens, New York City, New York**
Tax Lot Identification:	**Block 54, Lot 13**
Property Description:	**0.9 acre property containing a single-story industrial building**

ESI File: GQ14077.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

Ecosystems Strategies, Inc.

PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

June 11, 2014

ESI File: GQ14077.10

Prepared By:

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Prepared For:

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Phase I Environmental Site Assessment services performed by Ecosystems Strategies, Inc. have been conducted in accordance with ASTM Method E 1527-13.

The undersigned has reviewed this Phase I Environmental Site Assessment and certifies to GDC Properties that the information provided in this document is accurate as of the date of issuance by this office.

Paul H. Ciminello
President

TABLE OF CONTENTS

FIGURES AND TABLES

APPENDICES

EXECUTIVE SUMMARY

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 11-22 45th Road, Queens, New York City, New York.

The goal of a Phase I ESA is to identify Recognized Environmental Conditions (RECs), including Controlled RECs and Historical RECs (see Section 1.4 for definitions of important terms). In addition to RECs, ESI has attempted to identify:

1. Conditions that do not meet the threshold to be considered a REC but nonetheless represent a significant existing and/or likely environmental liability; and,
2. De minimis conditions that generally do not present a significant threat and would not be the subject of an enforcement action if brought to the attention of regulatory authorities.

ESI's findings, conclusions and recommendations are presented in Section 4.0 of this Phase I ESA and are summarized below.

Subject Property Description and History

The subject property is an approximately 0.9- acre manufacturing parcel located in an urban setting. Historical building department records indicate the subject property was first developed as early as 1913, and the current structure was likely built in 1952; historical Sanborn maps, however, indicate on-site development between 1950 and 1970. The subject property has been used for clothing manufacturing (1952 to at least 1983), lighting fixture manufacturing (circa 1983 to 1991), and electrical manufacturing (1991 to present). Electrical manufacturing likely used regulated hazardous wastes including methyl ethyl ketone, non-halogenated solvents, still bottoms, and spent solvent mixtures. The potential exists that debris from the demolition of former on-site structures may be present in the subsurface (such debris could contain lead based paint, asbestos, or other regulated materials). Historical use of the property may have impacted subject

Recognized Environmental Condition

RECs Identified in Connection with the Subject Property	Recommendations
Former industrial and commercial uses of the subject property, including electronics manufacturing, which included the production of regulated hazardous materials.	It is recommended that a soil-gas survey be performed to determine the presence of absence of contamination from historical manufacturing use.

HRECs and Significant Existing or Potential Environmental Liabilities

ESI has identified no HRECS or conditions indicating significant existing or potential environmental liabilities

De Minimis Conditions

Identified or Suspect Condition	Recommendations
The presence of paints and chemicals	Properly store containers; maintain appropriate absorbent materials in all areas where releases could potentially occur
Asbestos-containing materials (ACM) and lead-based paint (LBP)	Test suspect material encountered during maintenance, renovation, or demolition for ACM and/or LBP; handle all known or suspect materials in accordance with applicable regulations
Fluorescent light fixtures and air-conditioning equipment which may contain PCBs	Test suspect material encountered during maintenance, renovation, or demolition for PCBs; handle all known or suspect materials in accordance with applicable regulations

1.0 INTRODUCTION

1.1 Purpose of the Investigation

This Phase I Environmental Site Assessment (Phase I ESA) identifies recognized environmental conditions (RECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials on the property located at 11-22 45th Road, Queens, New York City, New York (property descriptions are presented in Sections 2.1 and 3.3.2).

1.2 Methodology

This Phase I ESA has been prepared in conformance with guidelines set forth by the American Society for Testing and Materials (ASTM) Method E1527-13 (no exceptions to or deletions from this practice have occurred). The detailed Scope of Services adhered to in this investigation is provided as Appendix H. This environmental site assessment was performed under the direct supervision and responsible charge of a qualified environmental professional (see Appendix G), following the requirements for "all appropriate inquiry" as defined in 40 CFR Part 312.

Ecosystems Strategies, Inc. (ESI) performed the following work:

1. Investigation of the subject property's history and characteristics through the analysis of available historical maps, local and regional maps, local governmental and/or Tribal records, and information provided by subject property representatives and other knowledgeable individuals (see Section 5.0 for references).
2. Review of Federal, State, and/or Tribal regulatory-agency computer databases and printed records for documentation of potential environmental liabilities relevant to the property, consistent with (or exceeding) applicable ASTM requirements.
3. Inspection of the property by Jerry Bernau of ESI on June 3, 2014 (Lisa Lee, representing the property owner, was present during the site inspection).

1.3 Limitations

This Phase I ESA is an evaluation of the property described in Section 2.1 below and is not valid for any other property or location. It is a representation of the property analyzed as of the dates that services were provided. This Phase I ESA cannot be held accountable for activities or events resulting in environmental liability after the respective dates of the site inspection or historical and regulatory research.

This Phase I ESA is based in part on certain information provided in writing or verbally by federal, state, and local officials (including public records) and other parties referenced herein. The accuracy or completeness of this information was not independently verified. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment.

1.4 Key Definitions

Definitions of some common terms found in ASTM Standard 1527-13, as used in this Phase I ESA, are provided below.

Practically Reviewable

Information that is provided by a source in a manner and in a form that yields information relevant to the property without the need for extraordinary analysis of irrelevant data is Practically Reviewable. Records must be for a limited geographic area. Records arranged chronologically, lacking adequate address information to be located geographically, in large databases that are not sorted by zip code, or are so numerous to be unmanageable are not generally practically reviewable (i.e. data cannot be feasibly reviewed for its impact on the property).

Reasonably Ascertainable

Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable is Reasonably Ascertainable.

Recognized Environmental Condition (REC)

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A material threat is a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and might result in impact to public health or the environment.

The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

De minimis conditions (i.e. conditions that generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies) are not RECs.

Controlled Recognized Environmental Condition (CREC)

A REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to remaining contaminants, or to prevent activities that could interfere with the effectiveness of a response action).

Historical Recognized Environmental Condition (HREC)

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.0 SITE LOCATION AND DESCRIPTION

2.1 Description of the Subject Property

The subject property as defined in this Phase I ESA consists of the approximately 0.9-acre property located at 11-22 45th Road, Queens, New York City, New York (identified as Borough of Queens tax lot parcel: Block 54, Lot 13). A Site Location Map is provided on Page 7.

The property is an irregularly-shaped parcel located on the northern side of 46th Avenue and the southern side of 45th Road. A single-story industrial building is located on the majority of the property. A small loading area is located on the southeastern corner of the subject property. A map illustrating the layout of the property is provided on Page 8 and photographs of the property are provided in Appendix A.

2.1.1 Site Topography

Information on the subject property's topography was obtained from the review of the United States Geological Survey Topographic Map of the Brooklyn, New York Quadrangle (a copy of the relevant portion of this map, with the subject property indicated, is provided in Appendix B).

The property is located within an area with gentle downward slopes to west, towards the East River. The property is shown with a surface elevation of 10 feet above mean sea level. No on-site structures are depicted on the map (the property is located in an urban area where only selected landmark buildings are depicted). The map did not indicate the presence of any soil/gravel mining operations or unusual topographic patterns indicative of landfilling activities on the subject property.

Observations made during the site inspection are in general agreement with conditions and features depicted on the topographic map.

2.1.2 Site Geology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that soils on the subject property are likely to be derived from glacial till, which overlie hard crystalline bedrock. Soil maps presented in the New York City Reconnaissance Soil Survey (Soil Survey), issued by the New York City Soil and Water Conservation District, indicate that the Pavement & Buildings, wet substratum-Laguardia-Ebbets complex, 0 to 8 percent slopes is present at the subject property. The Pavement & Buildings wet substratum-Laguardia-Ebbets complex consists of urbanized land with a mix of natural soil and fill materials constructed over swamp, tidal march, or water, with up to 80 percent impervious structures covering the surface. [Note: the Soil Survey provides only a general guide to soil patterns across the city.] The presence of an on-site structure suggests that soils located on the property may have been altered by cutting, regrading and/or filling activities.

The Soil Survey does not provide information regarding depth to bedrock for these soils. No bedrock was observed on the property.

A Limited Phase II Environmental Site Assessment issued for the adjoining property to the west in March 2013 (see Section 3.1.7, Previous Environmental Reports) documented subsurface material consisting of sand and gravel material with a boggy organic-rich layer in the vicinity of the subject property.

No other information regarding site-specific investigations of the subsurface (e.g., test pits or borings) was found in readily available records or was provided by subject property representatives.

2.1.3 Subsurface Hydrogeology

The Soil Survey does not specifically indicate groundwater depth information for on-site soils. A Limited Phase II Environmental Site Assessment issued for the adjoining property to the west in March 2013 (see Section 3.1.7, Previous Environmental Reports) documented that groundwater is present in the vicinity of the subject property at 10 feet below surface grade (bsg). No other data documenting groundwater depth, or site-specific investigation of groundwater direction of flow, has been reviewed by this office. Shallow groundwater flow in the vicinity of the property is likely to follow overall surficial topography and be to the west, toward the East River (located approximately 0.2 mile from the property).

2.1.4 Surface Hydrology and Wetlands

Information regarding on-site surface hydrology was obtained from the review of applicable maps, including the New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map and the United States Department of the Interior National Wetlands Inventory Map, and from observations made during the site inspection. According to these sources, there are no surface waterbodies, wet areas, or regulated wetlands on or near the property. Relevant portions of the state and federal wetlands maps are included in Appendix B.

Flood Plains

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) for New York City, New York, community-panel number 3604970202F, the western portion of the subject property is located in a 500-year flood plain.

2.1.5 Sensitive Environmental Receptors

Sensitive Environmental Receptors (SERs) are valued physical, biological and/or man-made features that may be adversely impacted by environmental contamination, and where a discharge or release could pose a greater threat than a discharge or release to other less valued areas. SERs include (but are not limited to) potable supply wells, wetlands, and protected wildlife habitat.

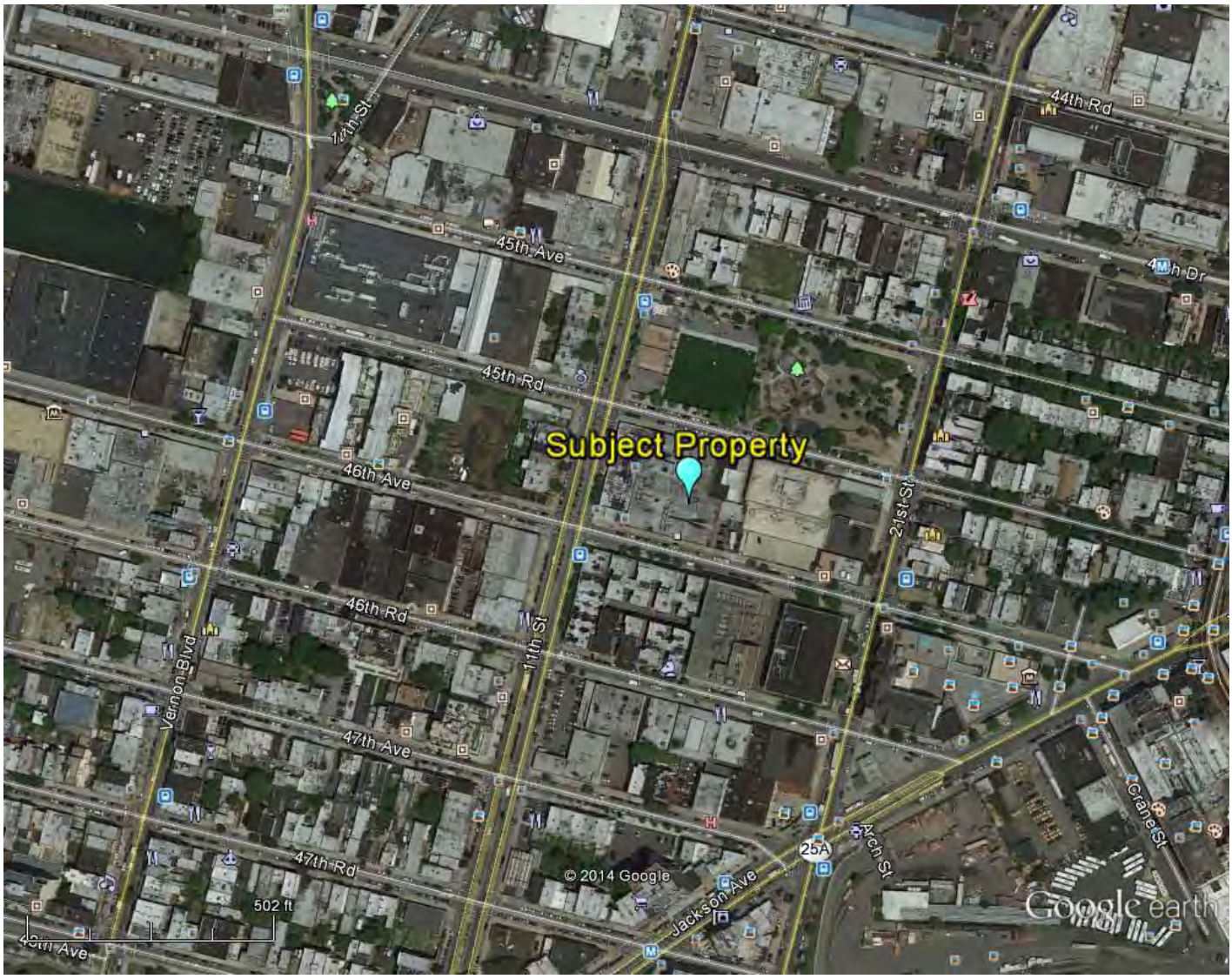
The review of maps and observations made during the site inspection indicate that no SERs are located on or in the immediate vicinity of the subject property.

2.2 Description of Adjoining and Surrounding Area Properties

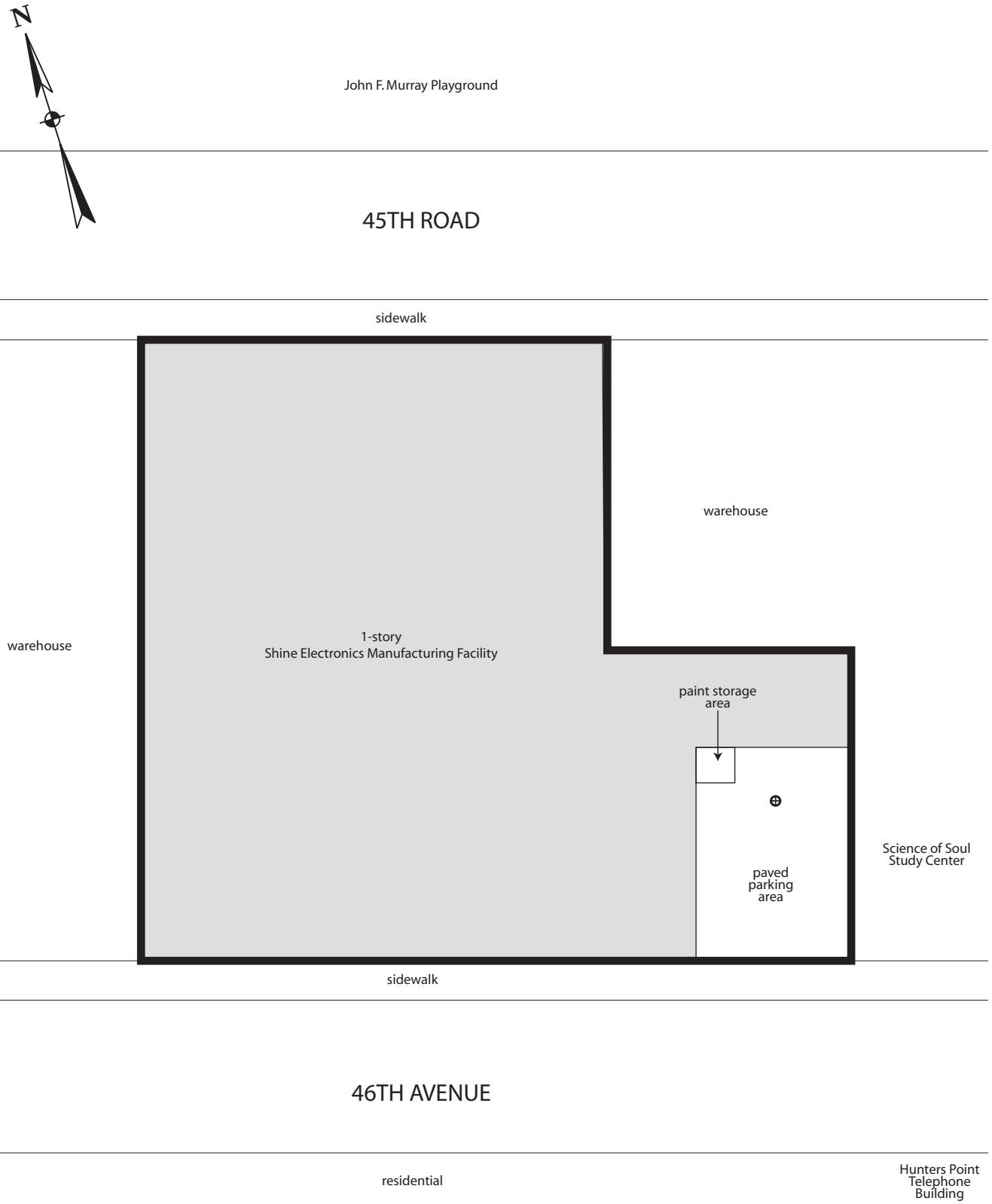
The subject property is located in an urban area comprised primarily of multi-family residential, commercial, and industrial properties. A description of the adjoining and nearby properties is provided in Table 1, below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• John F. Murray Playground	• Commercial • Residential
East	• Manufacturing • Science of the Soul Study Center	• Commercial • Residential
South	• Multi-family residential • Commercial	• Commercial • Residential
West	• Warehouse	• Commercial • Residential



Site Location Map 11-22 45th Road Long Island City Borough of Queens New York City, New York	N	ESI File: GQ14077.10 June 2014 Page 7



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

Selected Site Features Map

11-22 45th Road
Long Island City, New York

Legend:

- subject property border
- storm drain

ESI File: GQ14077.10

June 2014

Scale:1" = 45' approximately

3.0 INVESTIGATION

3.1 Site History

The history of the subject property was researched using interviews with knowledgeable individuals, and reviews of ownership records, historical maps, and local records. This review included both standard ASTM environmental record sources and additional sources (if such sources were judged to be reasonably ascertainable and sufficiently useful, accurate, and complete in light of the objective of the records review). Refer to Sections 3.1.3, 3.1.4 and 3.3.2.1 for Site Ownership and Site Use information.

ASTM Practice E 1527-13 requires that all obvious uses of the property must be identified from the present back to the property's first developed use (inclusive of agricultural activities), or back to 1940, whichever is earlier. This requires reviewing only as many historical sources as are necessary and both reasonably ascertainable and likely to be useful. As an example, if the property was not developed until 1960, it would still be necessary to attempt to confirm that it was undeveloped back to 1940.

Available historical data document that the property was undeveloped as early as 1898, and was first developed as early as 1913 (likely for industrial use) [Sanborn maps, however, indicate on-site development between 1950 and 1970] (see Sections 3.1.1 through 3.1.7, below, for details regarding site history).

3.1.1 User-Reported Information

ASTM Practice E 1527-13, Section 6, requires that the User (the party seeking to complete the environmental site assessment of the property) provide specific information to the Environmental Professional in order to meet the requirements for "all appropriate inquiry."

Michael Orlandi, representing GDC Properties (the User), has responded to a questionnaire provided by ESI, which requested information regarding the subject property as specified in Section 6. Mr. Orlandi indicated that he is aware of previous environmental reports prepared for the subject property in July 2007 and a report prepared for the adjoining property to the west in March 2013 and provided a copy of them for review (see section 3.1.7, Previous Environmental Reports). Mr. Orlandi had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding: 1) information material to recognized environmental conditions or other environmental liabilities in connection with the property; 2) the results of a review of title and/or judicial records for environmental liens/AULs; or, 3) reason(s) for a purchase price that does not reasonably reflect fair market value because of known or suspected contamination.

Mr. Orlandi did not state the reason why GDC Properties wanted to have the Phase I Environmental Site Assessment performed, and ESI therefore assumes that the reason is to qualify for one or more Landowner Liability Protections (LLPs) to CERCLA liability.

3.1.2 Interview with Key Site Manager

Lisa Lee (representing the property owner) was identified by Michael Orlandi as a Key Site Manager for the subject property. Ms. Lee was interviewed by ESI personnel regarding the topics detailed in the User Questionnaire (see Section 3.1.1, above), and was additionally asked to provide specific information regarding property features, site history and use, and commonly known information related to the property. Ms. Lee provided ESI personnel with information regarding on-site utilities as well as the recent history of the property. Ms. Lee indicated the subject property was utilized by a lighting fixture company prior to her company's ownership of it (1991). According to Ms. Lee the property is the site of a company which deals in cellular phone refurbishment and electronics. Ms. Lee indicated that a portion of the

subject property was used as a painting facility for electronics. Paint and paint thinner for the spray booth is located in a storage area in the parking lot. Ms. Lee had no other specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding potential environmental conditions and/or liabilities in connection with the property. Pertinent information from this interview is provided in relevant report sections, where appropriate.

3.1.3 Ownership Records

Property ownership information, based on interviews with Lisa Lee, a review of a title search provided by Michael Orlandi and New York City computerized City Register records is presented in Table 2, below.

Table 2: Ownership Information

Parcel ID	Owner	Date of Conveyance
Block 54, Lot 13	Eunhasu Corporation	9/21/2005
	New York City Industrial Agency	Unknown
	Goldstar Electronic International	4/27/1993
	Park, Kyu H.	Unknown
	Brum, Douglas	6/27/1991
	Brum, Joseph	Unknown
	NYC Industrial Development Agency	5/28/1986
	Brum, Douglas	5/27/1986
	Brum, Gussie	Unknown

3.1.4 Sanborn Fire Insurance Maps

A summary of the information obtained from the review of historical Sanborn Fire Insurance Company Maps dated 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988 to 1996, 1999, and 2001 to 2006 is provided below. Copies of relevant Sanborn maps (with the subject property indicated) are provided in Appendix C.

1898: Municipal water is available to the property. No petroleum or chemical bulk storage tanks are noted on the subject property, adjoining properties, or in the surrounding area. The subject property and adjoining properties consist of vacant lots, likely intended for residential development. The surrounding area is moderately developed with residential structures.

1915: There are no significant changes on the subject property or adjoining properties. The surrounding area is increasingly well developed with residential structures and is interspersed with commercial and manufacturing use.

1936: There are no significant changes on the subject property. The adjoining property to the south consists of several four-story residential structures and the five-story "Hunters Point Telephone Building." These structures match the current adjoining structures to the south in shape and location. The surrounding area is well developed with residential structures and is interspersed with commercial and manufacturing use.

1947: There are no significant changes on the subject property, adjoining properties, or the surrounding area.

1950: There are no significant changes on the subject property. The subject property is now adjoined to the northeast by a single story structure containing knitting machinery, storage, and repair. This structure matches the current adjoining structure to the northeast in shape and location. A plastics manufacturing plant is now located in the area to the east of the subject property. The surrounding area is increasingly well developed with manufacturing use.

1970: The subject property now contains a single story structure used for clothing manufacturing and paper coating and storage. This structure matches the current structure in shape and location. The adjoining property to the north is now designated as the "John F. Murray Playground." The adjoining property to the east now contains a large single story structure, likely for manufacturing or commercial use, and a parking area. The adjoining properties to the southwest and west now contain single story structures (a portion of the adjoining property to the west contains a two story structure), likely for manufacturing or commercial use. These structures match current adjoining structures to the east, west, and southwest in shape and location. The surrounding area is now very well developed with both residential, commercial, and manufacturing use.

1977: There are no significant changes on the subject property. The adjoining property to the northeast (formerly noted as containing knitting machinery, storage, and repair) is now a warehouse. The adjoining property to the southwest is now noted with manufacturing use. The adjoining property to the west is now noted with commercial use. There are no other significant changes on adjoining properties or the surrounding area.

1979: There are no significant changes on the subject property. The adjoining property to the east is now utilized for office and warehouse purposes. There are no other significant changes on adjoining properties or the surrounding area.

1980: There are no significant changes on the subject property. The adjoining property to the north is now noted as "John F. Murray Playground". There are no other significant changes on adjoining properties, or the surrounding area.

1985-1991: There are no significant changes on the subject property, adjoining properties, or the surrounding area.

1992: The subject property is no longer noted as containing clothing and paper manufacturing. No significant changes are noted on adjoining properties or the surrounding area.

1993-2006: There are no significant changes on the subject property, adjoining properties, or the surrounding area.

3.1.5 City Directory Abstracts

A review of city directory abstracts for 1934, 1939, 1945, 1950, 1962, 1967, 1970, 1976, 1983, 1991, 1996, 2000, 2005, 2008, and 2013 indicates the subject property as the location of the following organizations:

- Florelee Undergarment Co., Inc. in 1967, 1970, and 1983.
- Compucare Micro Systems Inc. and Gold Star Electronics International Inc. in 1991
- Shine Electronics, Inc. in 2000 and 2005
- Tel Ko Electronics Inc. in 1991 and 2008

The city directory abstracts indicate the adjoining properties to the west, southwest, and east as past and present commercial, manufacturing and/or industrial sites. The adjoining properties to the south are noted as past and present residential sites.

No other information pertinent to the environmental integrity of the subject property was present in these records. A copy of the City Directory Abstracts is provided in Appendix D.

3.1.6 Municipal and Regulatory Agency Records

City Register Records

New York City Register computerized ownership records for the subject property were reviewed on May 28, 2014. No information pertinent to the environmental integrity of the subject property was contained in these records. A summary of the readily available property ownership information is provided in Table 2.

Assessor's Office Records

New York City Assessor's Office computerized data for the subject property were accessed on May 28, 2014 using the Center for Urban Research's Open Accessible Space Information System (OASIS). According to these records, the subject property contains a single story industrial structure built in 1948. No other information pertinent to the environmental integrity of the subject property was present in these records.

Building Department Records

Block and Lot Records

New York City computerized Building Department Block and Lot records for the subject property were reviewed on May 28, 2014. Summary lists of Building Department permits/documents indicate an on-site building was altered as early as 1913 and new building permits were issued in 1948 and 1950. A certificate of occupancy was issued for on-site manufacturing use in 1952. No other pertinent records were noted.

The subject property is not indicated as a "Little 'E' Restricted" site.

Environmental Control Board (ECB) Violations

A review of computerized Building Department records indicates there are no open ECB violations relating to the environmental integrity of the subject property.

Local Agency Interviews

Health Department

A request was made on May 28, 2014 to search available New York City Department of Health and Mental Hygiene records for information regarding the subject property. No response from this agency has been received by this office as of the date of this Phase I ESA.

New York State Department of Environmental Conservation Records

A request was made on June 10, 2014 to search available New York State Department of Environmental Conservation (NYSDEC) Records for information regarding the subject property. No response from this agency has been received by this office as of the date of this Phase I ESA.

3.1.7 Previous Environmental Reports

ESI was provided with a copies of a Phase I ESA prepared for the subject property by Middleton Environmental, Inc. (MEI) in July 2007 and a Limited Phase II Environmental Site Assessment prepared for the adjoining property to the west by P.W. Grosser Consulting, Inc. in March 2013

Relevant information from these document is cited in this Phase I ESA as appropriate.

The MEI Phase I did not identify any environmental concerns on the subject property or adjoining properties.

The Limited Phase II Environmental Site Assessment documented subsurface soils consisting of sand and gravel with a boggy organic-rich layer, and the presence of groundwater at 10 feet bsg in the vicinity of the subject property

Copies of these reports is provided in Appendix E.

3.2 Review of Federal and State Agency Records

Federal and state computer databases and printed records were reviewed for documentation of environmental conditions and/or liabilities relevant to the property.

3.2.1 Methodology

The following ASTM Standard Environmental Record Sources (as available for the subject property's locality) were reviewed (search distances are consistent with, or exceed, ASTM requirements).

Federal National Priority List (1.0 mile) and delisted National Priority List sites (0.5 mile)
Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
Federal RCRA CORRACTS facilities list (1.0 mile)
Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
Federal RCRA generators list (subject/adjoining properties)
Federal ERNS list (subject property)
Federal, State, and Tribal Institutional Control / Engineering Control registries (subject property)
State- and Tribal-equivalent NPL (1.0 mile)
State- and Tribal-equivalent CERCLIS (0.5 mile)
State and Tribal Brownfield and voluntary cleanup sites (0.5 mile)
State and Tribal leaking storage tank lists (0.25 mile)*
State (including locally administered) and Tribal registered storage tank lists (subject/adjoining)
State and Tribal landfill and/or solid waste disposal site lists (0.5 mile)

* *The search distance for this ASTM database has been reduced due to the high level of development of the area in which the subject property is located.*

The following Additional Environmental Record Sources (as available for the subject property's locality) were reviewed in order to enhance and supplement the review of standard sources:

State spill file records (0.25 mile)
State MOSF list (0.5 mile)
State radon data (by local municipality as available)
Federal and State wastewater discharge permits (subject/adjoining properties)

A copy of relevant portions of a database search conducted by Environmental Data Resources, Inc. (EDR) for ESI is provided in Appendix F. Not all of the sites contained in the attached database search may be referenced below; some sites may have been excluded based on either ASTM requirements, ESI's scope of services or professional opinion, and/or information obtained during the review of historical records and the site inspection. Some information may have been deemed to not be practically reviewable (e.g., records lack adequate address information). Sites or additional information not included in the database search may also be referenced based on ESI's knowledge of the subject property area.

Where sites have been identified within the specified approximate minimum search distances, ESI's opinion is presented as to any possible impacts that might result in RECs in connection with the subject property, arising from the migration of contaminated soil, soil vapor and/or groundwater. Evaluation of potential impacts to the subject property is based on: distance and direction to the identified site; type of regulated materials and other relevant information found in available records; presence of intervening roadways and/or other physical conduits; local physical setting (topography, soil conditions, geology, hydrology, etc.); and other information known to ESI. Potential vapor encroachment conditions, if any, have been evaluated (as warranted) following the methodology provided in ASTM Standard E2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

3.2.2 Findings of Regulatory Records Review

Federal Hazardous Waste-Contaminated Sites

The subject property is not identified on the United States Environmental Protection Agency's (USEPA): National Priority List (NPL) of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions; CERCLIS list of sites that are proposed to the NPL or that are in the screening and assessment phase for possible proposal to the NPL; or CERCLIS No Further Remedial Action Planned (NFRAP) list, which are former CERCLIS sites that were delisted because no significant hazardous waste contamination was found, or because the site has been remediated.

The subject property is not identified on readily available USEPA Institutional Control/Engineering Control registries.

The "Mattheson Lead Co." site (USEPA ID: NYS980531610) is a NFRAP site located 0.16 mile west of the subject property. This is an archive site, which is located down gradient of the subject property. Based on ESI's review of reported information this site is not likely to significantly impact the subject property.

No NPL sites are located within one mile of the property and no CERCLIS sites or other delisted NPL sites are located within a half mile of the property.

State Sites

Inactive Hazardous Waste Disposal Sites

The subject property is not identified on the NYSDEC's Registry of Inactive Hazardous Waste Disposal (IHWD) sites (a state equivalent to the federal NPL), and has not been listed as a site under investigation for inclusion in the IHWDS Registry (a state equivalent to the federal CERCLIS List).

There are nine sites listed within a mile of the subject property. Five sites are active or potential IHWD sites. No action is required at the remaining four sites. The five active sites are located down or cross-gradient of the subject property and are over 0.75 mile from the subject property.

Based on ESI's review of reported information these sites are not likely to significantly impact the subject property.

Voluntary Cleanup, Brownfields Cleanup, and Environmental Restoration Programs

The subject property is not identified as participating in the NYSDEC's Voluntary Cleanup (VCP), Brownfields Cleanup (BCP), or Environmental Restoration (ERP) programs, which are designed to provide NYSDEC oversight of significantly contaminated properties.

Seven BCP and/or VCP sites were identified within 0.5 mile of the subject property.

The "Off-Site Paragon Paint and Varnish Corp." BCP site (Site IDs: 383000, 420294) is located 0.18 mile west of the subject property. This site has a classification code of "1", indicating that it presents a significant threat to public health and the environment. Groundwater and soil vapor contamination from this down-gradient site flow away from the subject property.

This and all other identified sites are closed and/or located down or cross-gradient to the subject property.

Based on ESI's review of reported information, all other identified state sites are not likely to significantly impact the subject property.

Registry of Institutional and Engineering Controls in New York State

The subject property is not identified on the NYSDEC's Registry of Institutional and Engineering Controls in New York State.

Federal Hazardous Waste Handlers

The USEPA Resource Conservation and Recovery Information System (RCRIS) database details facilities that report treatment, storage or disposal of hazardous waste (TSD facilities) or generation or transportation of hazardous waste. Facilities that have been notified by the USEPA to take corrective action with regard to their handling of hazardous waste are classified as CORRACTS facilities.

CORRACTS and/or TSD Facilities

The subject property is not registered with the USEPA as a CORRACTS and/or TSD facility for hazardous waste or materials.

Three CORRACTS facilities are located within one mile of the property.

The "Kosan Industrial Corporation" facility (USEPA ID: NYD061949228) is located 0.18 mile west of the subject property. This paint manufacturing facility has been assigned a low corrective action priority and is located down gradient to the subject property.

Two other CORRACTS facilities were identified over 0.75 mile from the subject property, both sites are located cross and/or down-gradient of the subject property.

Based on ESI's review of reported information these facilities are not likely to significantly impact the subject property.

No other CORRACTS sites are located within one mile of the property and no other TSD sites are located within a half mile of the property.

Generators or Transporters (Non-CORRACTS)

The subject property address is registered with the USEPA as a no longer regulated handler of hazardous waste.

The "Shine Electronic Co. Inc." site (USEPA ID: NYR000149799) is reported at the subject property address. Managed waste material includes lead, selenium, methyl ethyl ketone, non-halogenated solvents, still bottoms, and spent solvent mixtures. This site is identified as a historical generator as of September 27, 2007.

Soil, soil vapor, or groundwater contamination from the use of managed waste at the "Shine Electronic Co. Inc." site may potentially impact the subject property

Two adjoining properties are identified on the generator database.

The "Andrea Radio Corp." site, which adjoins the subject property to the east, is listed on the RCRIS Non-generator database as a handler of hazardous waste. This site was identified as a small quantity generator in November of 1997, and is identified as a historical generator as of January 1, 2006. No other actions are reported on this site. This suggests that this site is no longer generating, or otherwise handling, hazardous waste, and that its inclusion on the database may have been the result of specific cleanup activities that have been completed.

The "Big City Graph-X" site, which adjoins the subject property to the southwest, is listed on the RCRIS Non-generator database as a handler of hazardous waste. No other actions are reported on this site. This suggests that this site is no longer generating, or otherwise handling, hazardous waste, and that its inclusion on the database may have been the result of specific cleanup activities that have been completed.

Based on ESI's review of reported information, this adjoining sites are not likely to significantly impact the subject property.

Landfills and Solid Waste Disposal Facilities

The NYSDEC's Facility Register does not list the subject property as an active or inactive landfill or solid waste disposal facility.

Two construction and demolition processing facilities have been identified within 0.5 mile of the subject property. The "C&H Sand and Stone Corporation/ United Waste Removal" site (Site IDs: 41W87, 41T67) is located 0.15-mile southeast of the subject property. The facility is also registered as a transfer station. The "Berlin Wrecking Ltd." site (Site ID: 41W73) is located 0.38 mile south of the subject property.

Based on ESI's review of reported information these sites are not likely to significantly impact the subject property.

Chemical Bulk Storage (CBS)

A review of NYSDEC records indicates that the subject property and adjoining properties are not registered as CBS facilities. Observations made during the site inspection did not indicate the presence of chemical bulk storage on the subject property or at adjoining properties.

Petroleum Bulk Storage

Subject Property

A review of the NYSDEC petroleum bulk storage (PBS) database indicates that the subject property is not registered as a PBS facility. No evidence of aboveground or underground PBS tanks was noted on the subject property during the site inspection.

Adjoining Properties

A review of the NYSDEC PBS database indicates that four adjoining properties are identified as PBS facilities:

The property at 11-40 45th Road, which adjoins the subject property to the east, is an unregulated PBS facility (PBS Number: 2-195383) which contains a 10,000-gallon, closed in-place, #2 fuel-oil underground storage tank (UST). The tank was installed in 1968, tightness tested in 1998, and closed in 1999.

The property at 11-24 46th Avenue, which adjoins the subject property to the south, is a PBS facility (PBS Number: 2-069450) containing a 2,000-gallon, #4 fuel-oil above ground storage tank (AST), which was installed in 1936.

The property at 11-14 46th Avenue, which adjoins the subject property to the south, is a PBS facility (PBS Number: 2-197246) containing a 3,000-gallon, #2 fuel-oil AST, which was installed in 1985.

The property at 46-09 11th Street, which adjoins the subject property to the southwest, is an unregulated PBS facility (PBS Number: 2-610180) which contained a 2,000-gallon #2 fuel-oil AST in a concrete vault. This tank was installed 1957, and removed in 2006.

No open NYSDEC spill events are reported for these adjoining properties

Fill ports and vent pipes were observed at several adjoining residential properties to the south, and the adjoining property to the west. These fill ports and vent pipes are likely to service ASTs located in the basements of these structures. These adjoining sites are not likely to impact the environmental integrity of the subject property.

Major Oil Storage Facilities

The subject property is not listed with the NYSDEC as a major oil storage facility (MOSF).

One MOSF has been identified within 0.5 mile of the property. The “Ditmas Oil—Long Island City” site (MOSF ID: 2-2020) is located 0.46 mile south of the property at 53-02 11th Street. Records indicate that all reported tanks on this property are currently empty.

Based on ESI’s review of reported information this site is not likely to significantly impact the subject property.

Federal Chemical and Petroleum Spills

The USEPA Emergency Response Notification System (ERNS) database details initial reports of releases of oil and hazardous substances as reported to federal authorities. There are currently no chemical or petroleum spills on record for the subject property.

State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events

NYSDEC database records were reviewed to determine possible impacts from leaking tanks and other reported releases within a quarter mile of the subject property. One spill event is known to have occurred at the subject property. The following spill events are reported for the subject property and adjoining properties:

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)	Spill Details
0201928 – closed	11-15 46th Ave. (subject property address)*	fuel oil, quantity unknown	May 23, 2002 (January 31, 2006)	sidewalk spill and in basement, spill from fuel line leak
9709898 – closed	11-40 45th Road (adjoining property to the east)	#2 fuel oil, quantity unknown	November 25, 1997 (December 17, 2002)	tank test failure
0510695 – closed	46-09 11th Street (adjoining property to the south)	#2 fuel oil, 15 gallons	December 13, 2005 (December 16, 2008)	leaking tank, floor washed, tank replaced, no testing

*11-15 46th Ave. is identified on New York City online records as the being the address of the subject property tax lot.

Spill number 0201928 was reported for the subject property address, however, the database indicates that the release was in a basement (the subject property has no such structure), it is not likely that this spill occurred on the subject property, this spill is likely associated with a residential structure to the south. It is unlikely that this or any other reported spill events have impacted the subject property.

Air Discharges

The “Shine Electronics” site (USEPA ID: 110019384682), which is registered at the subject property address, is reported as an electrical repair shop with potential uncontrolled emissions of less than 100 tons/year. This site is reported as being in compliance with procedural requirements. According to Ms. Lee, this designation is likely related to the on-site use of a spray booth used to paint electronic equipment.

Wastewater Discharges

No USEPA National or NYSDEC State Pollutant Discharge Elimination System (NPDES or SPDES) permit was identified for the subject property. No operations likely to require a NPDES or SPDES permit were noted on the subject property. According to observations made during the site inspection, the subject property is connected to the municipal wastewater system. No adjoining properties are registered as NPDES or SPDES facilities.

Radon

Information on radon levels was obtained from New York State Department of Health (NYSDOH) documents. No regulatory standards for radon levels currently exist in New York State. The USEPA has established a guidance value (the level where mitigation measures may be appropriate) for radon

concentrations of 4.0 or greater picoCuries/liter (pCi/l). Other regulatory authorities (e.g., OSHA) have established guidance levels that are directly related to specific site activities (a determination as to applicable radon guidance levels is beyond the scope of this Phase I Environmental Site Assessment). A summary of available radon information for the subject property's vicinity is provided below in Table 3.

Table 3: Basement Radon Levels in Vicinity of Subject Property
All radon levels provided in picoCuries/liter (pCi/l)

NYSDOH Radon Information	Borough of Queens	New York City
Number of Homes Tested	513	1,364
Average Radon Level	0.77	0.9
Percent of Homes >4.0 pCi/l	3.5	6.4

These average radon levels are below the USEPA's guidance value of 4.0 pCi/l and less than 10% of the homes tested in the subject property's vicinity had levels in excess of this guidance value. These data support the conclusion that elevated radon levels are not likely to be present on the subject property.

3.3 Site Inspection

3.3.1 Protocol

The site inspection was conducted on June 3, 2014 in order to address any potential concerns raised during the investigation of the site's history (Section 3.1) and the regulatory agency records review (Section 3.2), and to identify any additional indications of contamination from the use, storage, or disposal of hazardous or regulated materials. To the extent possible, site structures, vegetation, topography, surface waters, and other relevant site features were examined for any obvious evidence of existing or previous contamination or unusual patterns (e.g., vegetative stress, soil staining, surface water sheen, or the physical presence of contaminants), which would indicate that the environmental integrity had been or could be impacted.

Section 3.3.2 describes the physical characteristics of the subject property. Section 3.3.3 is divided into topics on specific environmental conditions or concerns, actual or potential, noted on the subject property during the site inspection. Section 3.3.4 describes the physical characteristics of adjoining properties as they concern the potential or actual environmental condition of the subject property.

A Selected Site Features Map illustrating the general layout of the subject property and the locations of specific areas of concern (if any) is provided on Page 8. Photographs of the subject property are provided in Appendix A.

3.3.2 Physical Characteristics of the Subject Property

3.3.2.1 Property

The subject property is an irregular-shaped, approximately 0.9-acre parcel, which has 230 feet of frontage on the northern side of 46th Avenue and 150 feet of frontage on the southern side of 45th Road. A single-story masonry structure occupies the majority of the property. The remainder of the property consists of a paved parking area. The structure defines all property borders with the exception of the paved parking area, where the border is defined by a chain-link fence.

3.3.2.2 Structures

The on-site building is a single-story masonry structure with a flat roof. Exterior siding is brick and the roof is covered by asphaltic materials. City of New York Assessor's Office records indicate that the building dates from 1903; Sanborn maps, however, suggest a construction date between 1917 and 1942. Interior floors are covered with concrete, ceramic, and 12' by 12' vinyl floor tiles. Walls and ceilings are generally covered with wallboard.

Potable Water Supply

According to available information, the subject property is serviced by the municipal water system. No water supply wells were noted on the subject property during the site inspection and no on-site uses of groundwater are known to exist for the subject property.

Sewage Disposal System

According to available information, the on-site structure is connected to the municipal sewer system.

Heating/Cooling

The on-site structure is heated with hot air generated by natural gas-fired units located on the roof. Cooling is provided by roof-mounted air conditioning units. Electric water heaters are located on an elevated ledge in the center of the building.

3.3.3 Specific On-Site Environmental Conditions

Debris Areas

No significant quantities of debris were noted on the subject property.

Petroleum Storage

Several dozen containers of asphalt were noted on the roof of the in-site structure. Several small containers of petroleum products (lubricants, etc.) are located in the exterior storage area. No staining or other evidence of a release from these containers was observed. No other small quantities of petroleum products, aboveground storage tanks or indications of underground petroleum storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Chemical Storage

Two empty 55-gallon drums were noted in an exterior storage area. According to Ms. Lee, these drums contain paint and paint thinner associated with electrical refurbishment on the subject property. Several small containers of cleaning chemicals were noted in various portions of the property, isopropyl alcohol is used on-site to clean electronics. No staining or other evidence of a release from these containers was observed during the site inspection. No other small quantities of chemical products, aboveground chemical storage tanks or indications of underground chemical storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Asbestos-Containing Materials

Asbestos-containing materials (ACM) are those materials containing over 1% of any type of asbestos. The presence or absence of asbestos within a material can only be determined through the physical analysis of material samples.

Asbestos has been incorporated into a wide variety of building products based on its thermal and resilient qualities, including insulation, flooring, siding, roofing, plaster/joint compounds, caulking, ceiling tiles, textured paints and pipewrap. Although ACM are no longer used as extensively as they were prior to the 1970s (when the federal government began regulating and/or prohibiting the use of ACM in specific applications), asbestos may still be found in common building products used today, such as cement products, roofing and vinyl floor tile.

According to Lisa Lee, no asbestos survey of the subject property has been conducted. Suspect ACM noted during the site inspection included 12" by 12" vinyl floor tiles, asphalt roofing, pipewrap (two feet), and dropped acoustic ceiling tiles. All materials appeared to be in good condition. Other building construction materials not readily observable during the site inspection (e.g., mastics, pipe insulation present within walls, etc.) could also contain asbestos.

Lead-Based Paint

The presence or absence of lead-based paint (paint containing 0.5% lead by weight) can only be determined through the material analysis of paint samples. However, given that the manufacture of lead-based paint (LBP) has been regulated since 1978, a building's date of construction is often used to help assess the likelihood that LBP was used during initial construction and/or subsequent maintenance work. The presence of deteriorated paint is indicative of a potential health risk in that paint dust and chips containing lead could be inhaled and/or ingested.

According to Lisa Lee, no lead-based paint survey of the subject property's structures has not been conducted. The date of construction of the on-site building (circa 1952) indicates that LBP is likely to have been used; however, in the absence of a LBP survey, no definitive statement can be made by this office regarding the presence or absence of LBP on the subject property.

All of the painted surfaces in the areas inspected by this office were in good condition at the time of the site visit.

Wastewater Discharges

The term "wastewater" indicates water that: (1) is or has been used in an industrial or manufacturing process; (2) or is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant; (3) or conveys or has conveyed sewage (water originating on or passing through or adjacent to a site, such as stormwater flows, is not generally considered to be wastewater). No evidence of wastewater discharges into drains, ditches, or streams on or adjacent to the property was observed on the subject property.

Interior Floor Drains/Sumps/Conduits

No interior floor drains, sumps, or other potential significant conduits to the subsurface were noted on the subject property.

Stormwater Management and Exterior Drains/Sumps/Conduits

A stormwater drain is located in the parking lot. No staining, odors, or other evidence of contamination was noted in or near any of the drains. It is likely that the stormwater drain leads to the municipal stormwater system No other exterior stormwater catch basins, drains, sumps, or other potential significant conduits to the subsurface, or indications of liquid discharges into drains, ditches, or streams on or adjacent to the property, were observed on the subject property.

Staining/Corrosion/Leaks

No evidence of corrosion, leaks, or staining (indicative of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products onto the subject property, including the on-site structure and paved areas) was observed during the site inspection.

Topographic Irregularities

No overt topographic irregularities (e.g., sinkholes or berms) indicative of the presence of non-natural materials (including debris) in the subsurface were observed on the subject property.

Vegetative Features

No overt areas of stressed or dying vegetation indicative of the presence of contaminants in surface or subsurface soils were observed on the subject property.

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons exhibiting evidence (e.g., discolored water, distressed vegetation, obvious wastewater discharge) of holding liquids or sludge containing hazardous substances or petroleum products were observed on the subject property.

Surface Waters

No surface water bodies are located on the subject property.

Odors

No unusual odors indicative of the presence of contamination were noted.

Polychlorinated Biphenyls

An inspection for the presence of equipment likely to contain polychlorinated biphenyls (PCBs) was conducted by this office. PCBs were widely used in equipment such as transformers, capacitors, and hydraulic equipment until 1979 when the USEPA regulated their use in this capacity. Several large heating and cooling units were noted on the roof of the on-site structure, this equipment may contain PCBs.

Large numbers of fluorescent light fixtures, present throughout the on-site structure, may potentially contain PCBs. [Note: Florescent lamp fixtures containing ballasts manufactured before July 2, 1979 are likely contain PCBs, and ballasts manufactured between 1979 and 1998 that do not contain PCBs, should be labeled “No PCBs”. If a ballast is not labeled “No PCBs”, it is prudent to assume it contains PCBs.]

3.3.4 Environmental Concerns at Adjoining and Nearby Properties

Adjoining and nearby properties were observed from the subject property and from public thoroughfares for the purpose of identifying any recognized environmental conditions or other potential environmental concerns.

Fill ports and vent pipes were observed at the adjoining properties to the south and west (see Section 3.2.2, Petroleum Bulk Storage). No staining indicative of prior releases of fuel was observed on or around the fill port or vent pipe on the property to the west during the site inspection. Staining indicative of prior releases of fuel was observed around the fill port and vent pipe on the property to the south during the site inspection.

No other potentially significant environmental conditions were noted on adjoining or nearby properties.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Ecosystems Strategies, Inc. (ESI) has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 11-22 45th Road, Queens, New York City, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

This assessment has revealed evidence of the following recognized environmental conditions (RECs) in connection with the property:

- Former industrial and commercial uses of the subject property, including clothing and electronics manufacturing, which included the production of regulated hazardous materials

ESI's conclusions and recommendations (in **bold**) regarding any RECs and any other potential environmental liabilities associated with the property are presented below. Cost estimates for any proposed investigations and/or remedial actions are provided in *italics* where appropriate.

1. Historical building department records indicate the subject property was first developed as early as 1913, and the current structure was likely built in 1952; historical Sanborn maps, however, indicate on-site development between 1950 and 1970. The subject property has been used for clothing manufacturing (1952 to at least 1983), lighting fixture manufacturing (circa 1983 to 1991), and electrical manufacturing (1991 to present). The potential exists that debris from the demolition of former on-site structures may be present in the subsurface (such debris could contain lead based paint, asbestos, or other regulated materials).

   No further investigation of historical records is recommended. Any future development activities at the property should be conducted with an awareness of the potential presence of subsurface debris (interspersed with urban soils) and provision should be made for the proper management of any materials that warrant special handling. Subgrade soils are likely to be classified as a regulated solid waste if off-site disposal is contemplated.

   Prior site usage may have included electrical manufacturing, an activity known to use hazardous materials. Historical use of the property may have impacted subject property soils and groundwater.

   It is recommended that a soil-gas survey be performed to determine the presence of absence of contamination from historical manufacturing use.

   Estimated cost of soil-gas survey: $5,000

2. The subject property was identified during the review of regulatory agency record conducted by this office. The property (USEPA ID: NYR000149799) is reported as a historical generator of managed waste material including lead, selenium, methyl ethyl ketone, non-halogenated solvents, still bottoms, and spent solvent mixtures. The property (USEPA ID: 110019384682) is registered as an electrical repair shop with potential uncontrolled air releases of less than 100 tons/year (likely associated with the spray booth). The subject property was not otherwise identified in regulatory records reviewed by this office. No adjoining or nearby properties were identified that are likely to impact the environmental integrity of the subject property.

   No further investigation of historical records is recommended (see, however, Paragraph 1, above).

An environmental condition is considered "de minimis" when that condition generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions. This assessment has revealed evidence of the following de minimis conditions in connection with the property:

3. Petroleum products and chemicals are stored on the subject property. Releases from these containers could potentially impact the property.

   It is recommended that all petroleum and chemical products be properly stored within adequate secondary containment areas and that appropriate absorbent materials be maintained in all areas where releases could potentially occur.

4. Asbestos-containing materials and lead-based paint could potentially be present on the subject property. Suspect asphalt roofing material, vinyl floor tiles, air-cell pipewrap (approximately 2 feet), and dropped acoustic ceiling tiles in good condition were noted during the site inspection. Other building construction materials not readily observable during the site inspection (e.g., mastics) could also potentially contain asbestos.

   No further investigation is recommended. Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

5. Florescent light fixtures are present throughout the on-site structure which was built prior to 1979. The ballasts of these fixtures are a potential source of PCBs. According to the EPA, ballasts manufactured between 1979 and 1998 that do not contain PCBs should be labeled "No PCBs". If ballasts are not labeled "No PCBs", it is best to assume it contains PCBs. The air-conditioning and heating equipment present on the roof of the on-site structure may contain electrical equipment which is a potential source of PCBs.

   Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for PCBs, or, in the absence of analytical data, be treated as though it contained PCBs. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

5.0 SOURCES OF INFORMATION

5.1 Maps and Documents

Environmental Data Resources, Inc. (EDR), City Directory Abstracts, dated: 1934, 1939, 1945, 1950, 1962, 1967, 1970, 1976, 1983, 1991, 1996, 2000, 2005, 2008, and 2013.

Environmental Data Resources, Inc. Report, May 21, 2014.

New York City Soil and Water Conservation District, New York City Reconnaissance Soil Survey, online at www.nycswcd.net/soil_survey.cfm

New York State Department of Environmental Conservation, Freshwater Wetlands Map of the Brooklyn, New York Quadrangle, accessed online May 21, 2014 via Environmental Resource Mapper at www.dec.ny.gov.

Middleton Environmental, Inc., Phase I ESA, July 2007.

P.W. Grosser Consulting, Inc., Limited Phase II Environmental Site Assessment, March 2013.

Sanborn Fire Insurance Company Maps, dated 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988 to 1996, 1999, and 2001 to 2006.

United States Department of the Interior National Wetlands Inventory Map of the Brooklyn, New York, Quadrangle, dated accessed online May 21, 2014 via www.fws.gov/wetlands/Data/Mapper.html.

United States Geological Survey Topographic Map of the Brooklyn, New York Quadrangle, dated 1995 digital image provided by MyTopo.com.

University of the State of New York, Geologic Map of New York, Fisher, *et al*., editors (dated 1970, reprinted 1995) and Surficial Geologic Map of New York, D. Cadwell, editor (dated 1989), Lower Hudson Sheets.

5.2 Local Agency Records

New York City Assessor's Office computerized records, reviewed May 28, 2014.

New York City Building Department computerized records, reviewed May 28, 2014.

New York City Register computerized records, reviewed May 28, 2014.

New York City Department of Health and Mental Hygiene Records, requested May 28, 2014.

New York State Department of Environmental Conservation Records, requested June 10, 2014.

5.3 Communications

Michael Orlandi, representing GDC Properties (the User), various dates, May and June 2014.

Lisa Lee, representing Shine Electronics (the owner of the subject property), June 3, 2014.

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

The following statements are required by 40 CFR 312.21(d) of the environmental professional(s) responsible for conducting and preparing the Phase I Environmental Site Assessment report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul H. Ciminello
President, Ecosystems Strategies, Inc.

Scott Spitzer
Director of Environmental Investigations, Ecosystems Strategies, Inc.

APPENDIX A

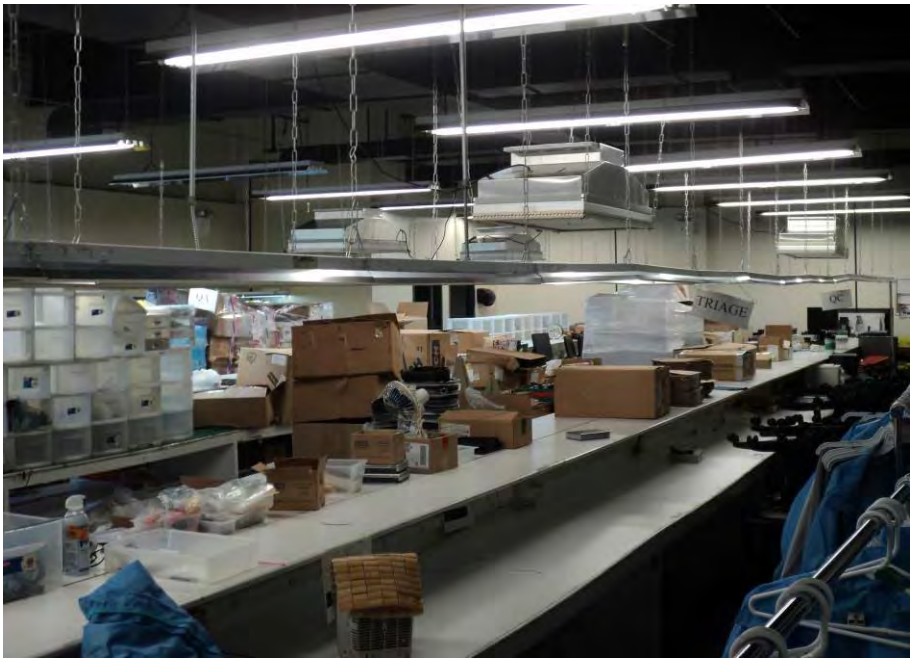
Site Photographs

PHOTOGRAPHS

1. **View of the subject property (looking south from 45th Road).**

2. **View of loading dock area (looking north from 46th Avenue).**

PHOTOGRAPHS



3. **View of typical production space.**

4. **View of asphalt roofing material and roof-top mounted heating and cooling units.**

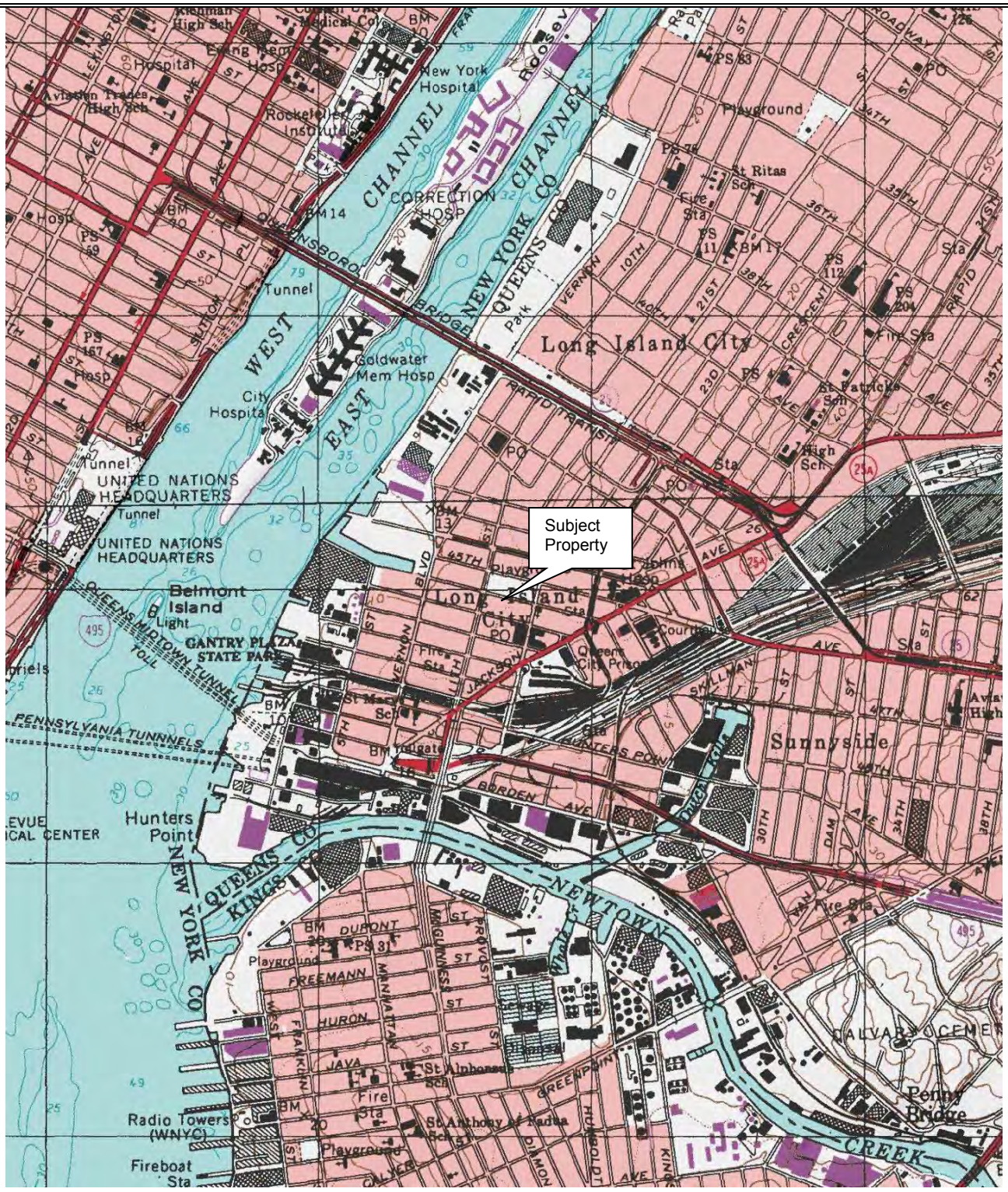
PHOTOGRAPHS

5. **View of suspect asbestos pipe-wrap (located in storage room on northern-central portion of the on-site structure).**

6. **View of 55-gallon drums, currently empty, used for paint and paint thinner (located in the northwest corner of the parking area).**

APPENDIX B

Physical-Setting Maps



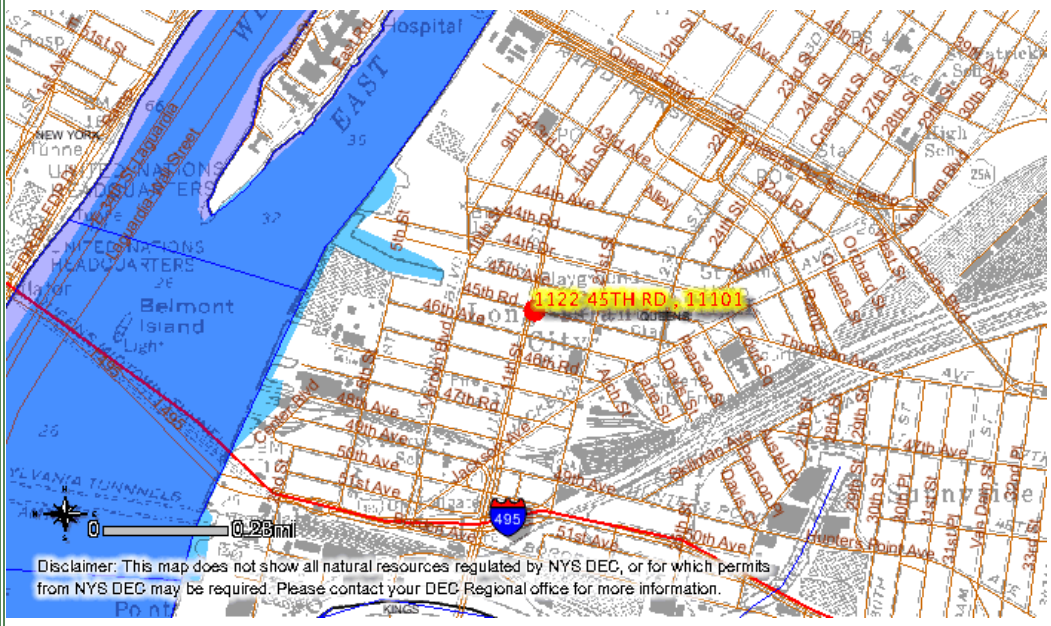
Source: USGS Topographic Map of the Brooklyn, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

U.S.G.S. Topographic Map 11-22 45th Road Long Island City Borough of Queens New York City, New York	N	ESI File: GQ14077.10 June 2014 Scale: 1:24000

[print page] [close window]

Please set your printer orientation to "Landscape".

GQ14077.10



MinX: 587091, MaxX: 590158, MinY: 4511858, MaxY: 4510539

Visible Layers

- Classified Streams
- Classified Ponds
- State-Regulated Freshwater Wetlands
- Wetland Checkzone
- State-Regulated Freshwater Wetlands
- Rare Plants and Rare Animals
- Interstate Highways
- Adirondack Park Boundary
- Counties

U.S. Fish and Wildlife Service

National Wetlands Inventory

GQ14077.10

May 21, 2014

Wetlands

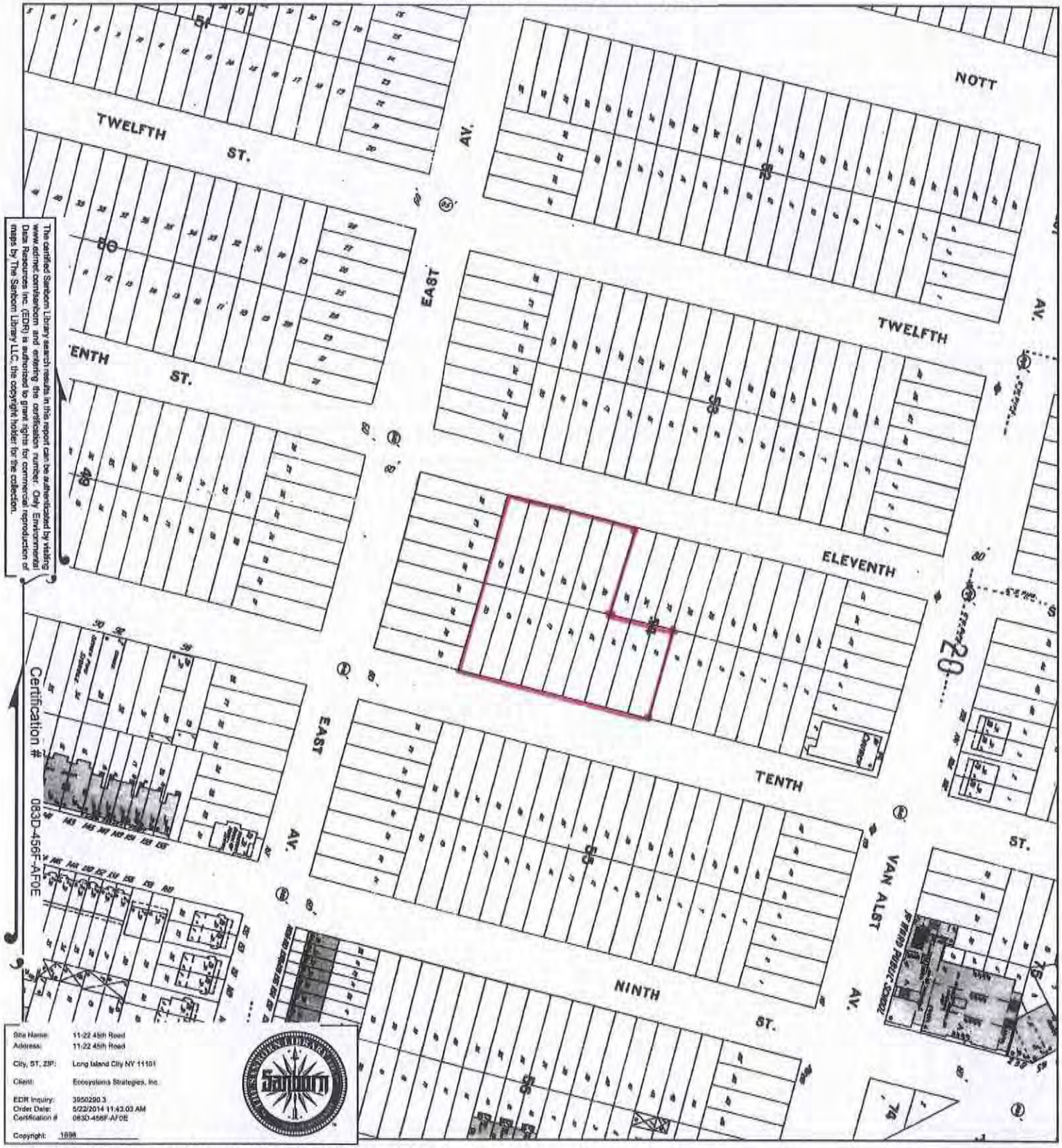
- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

APPENDIX C

Sanborn Fire Insurance Maps

1898 Certified Sanborn Map



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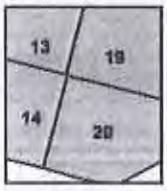
Outlined areas indicate map sheets within the collection.

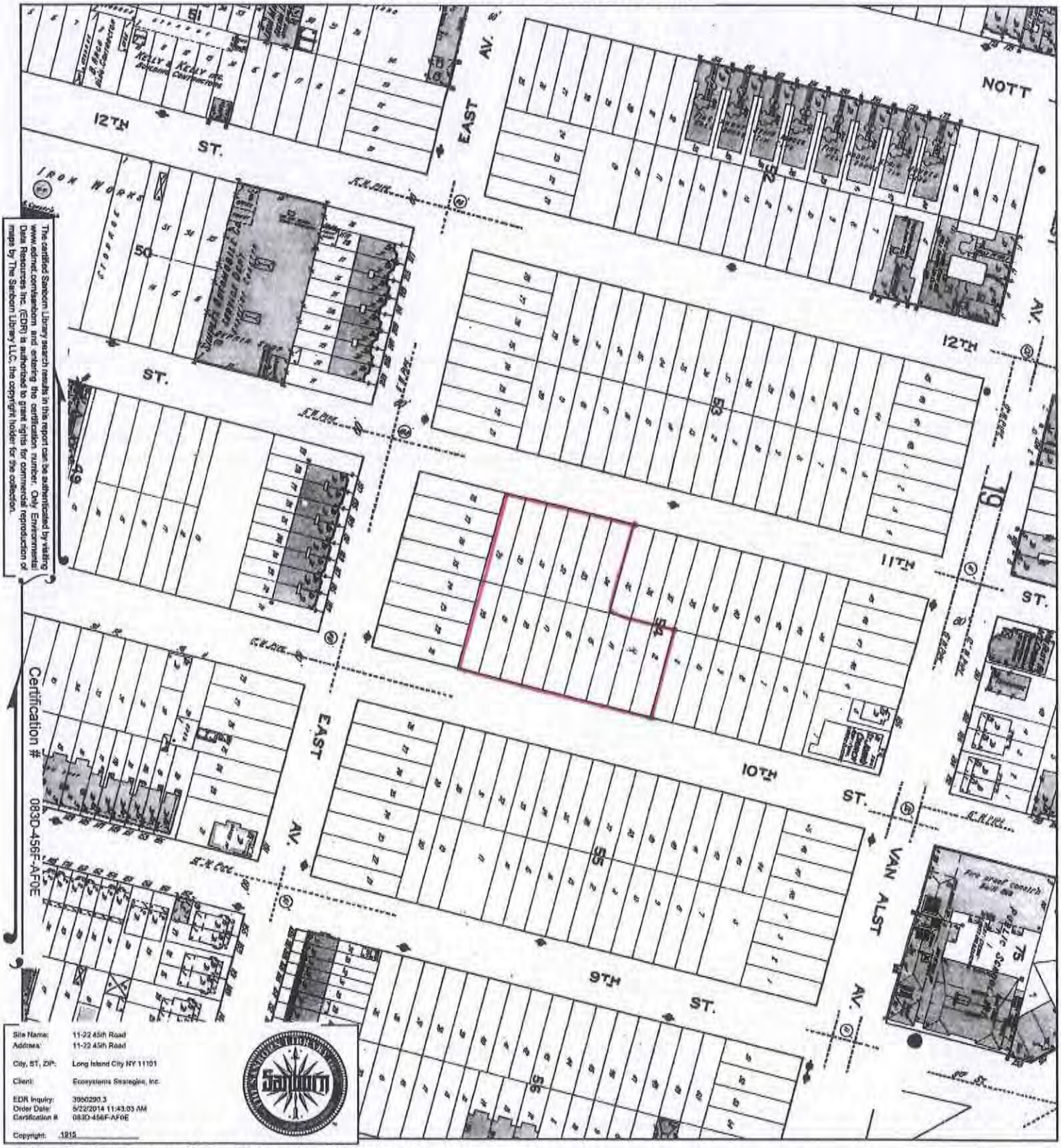


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

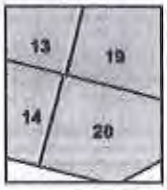
N

1915 Certified Sanborn Map



Site Name: 11-22 45th Road
Address: 11-22 45th Road
City, ST, ZIP: Long Island City NY 11101
Client: Ecosystems Strategies, Inc.
EDR Inquiry: 3950290.3
Order Date: 5/22/2014 11:43:03 AM
Certification #: 083D-456F-AF0E
Copyright: 1915

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

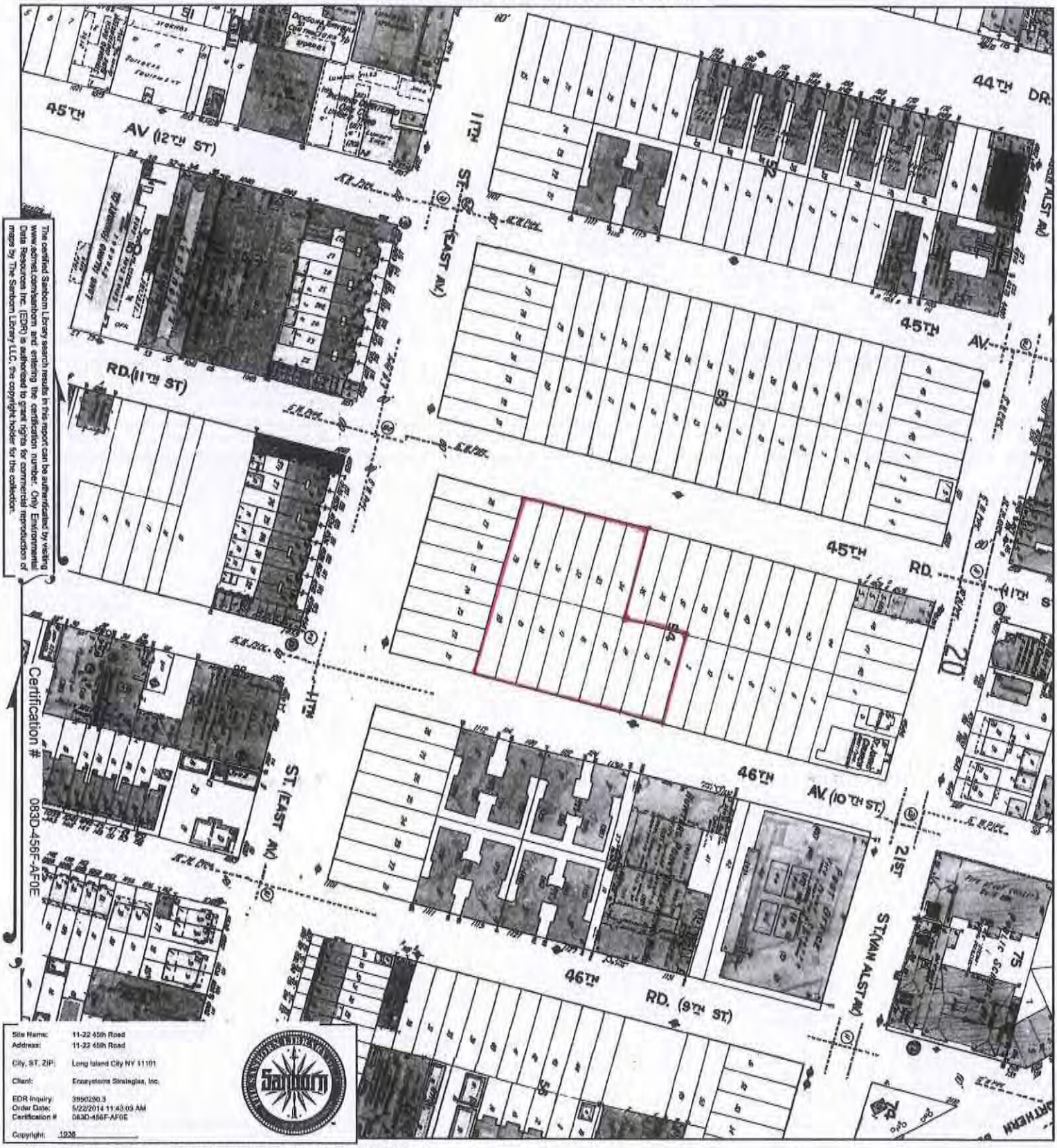


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1936 Certified Sanborn Map



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Site Name:	11-22 45th Road
Address:	11-22 45th Road
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950290.3
Order Date:	5/22/2014 11:43:03 AM
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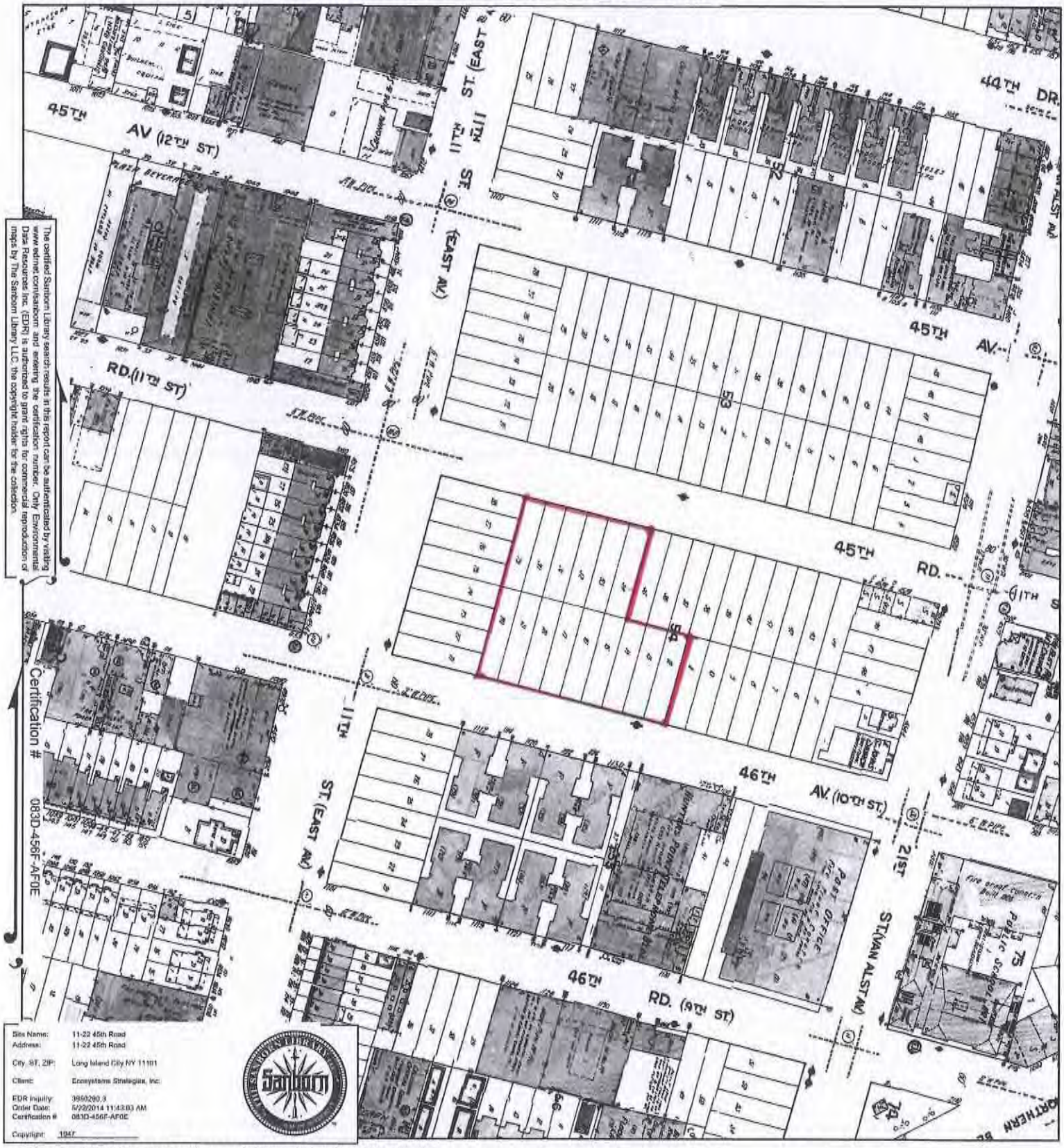
0 Feet 150 300 600

N

1947 Certified Sanborn Map



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Certification #:	083D-456F-AF0E
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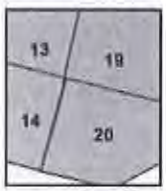
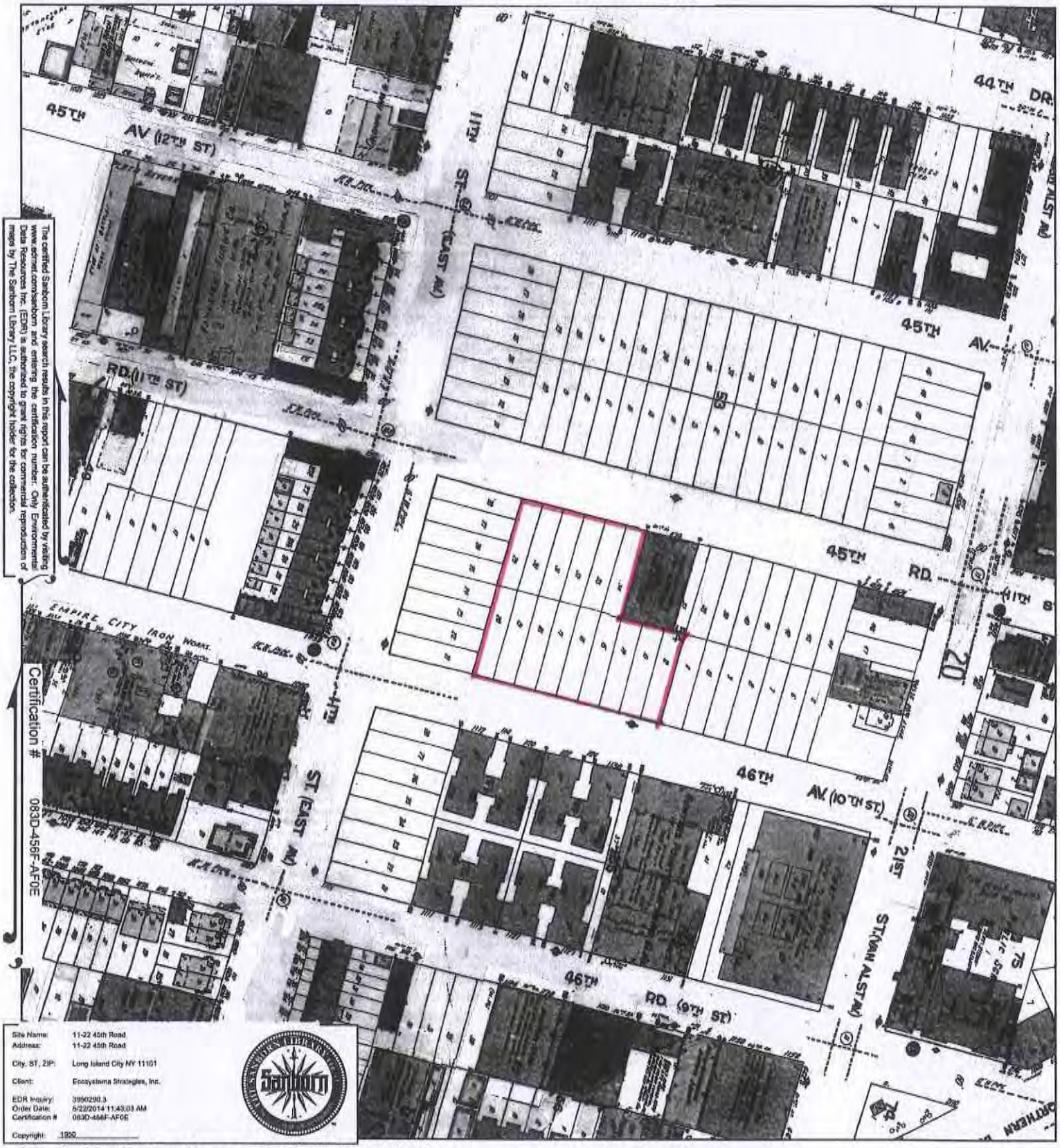


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1950 Certified Sanborn Map



Certification # 083D-456F-AF0E

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City, ST, ZIP:	Long Island City NY 11101
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Certification #:	083D-456F-AF0E
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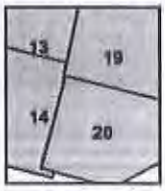
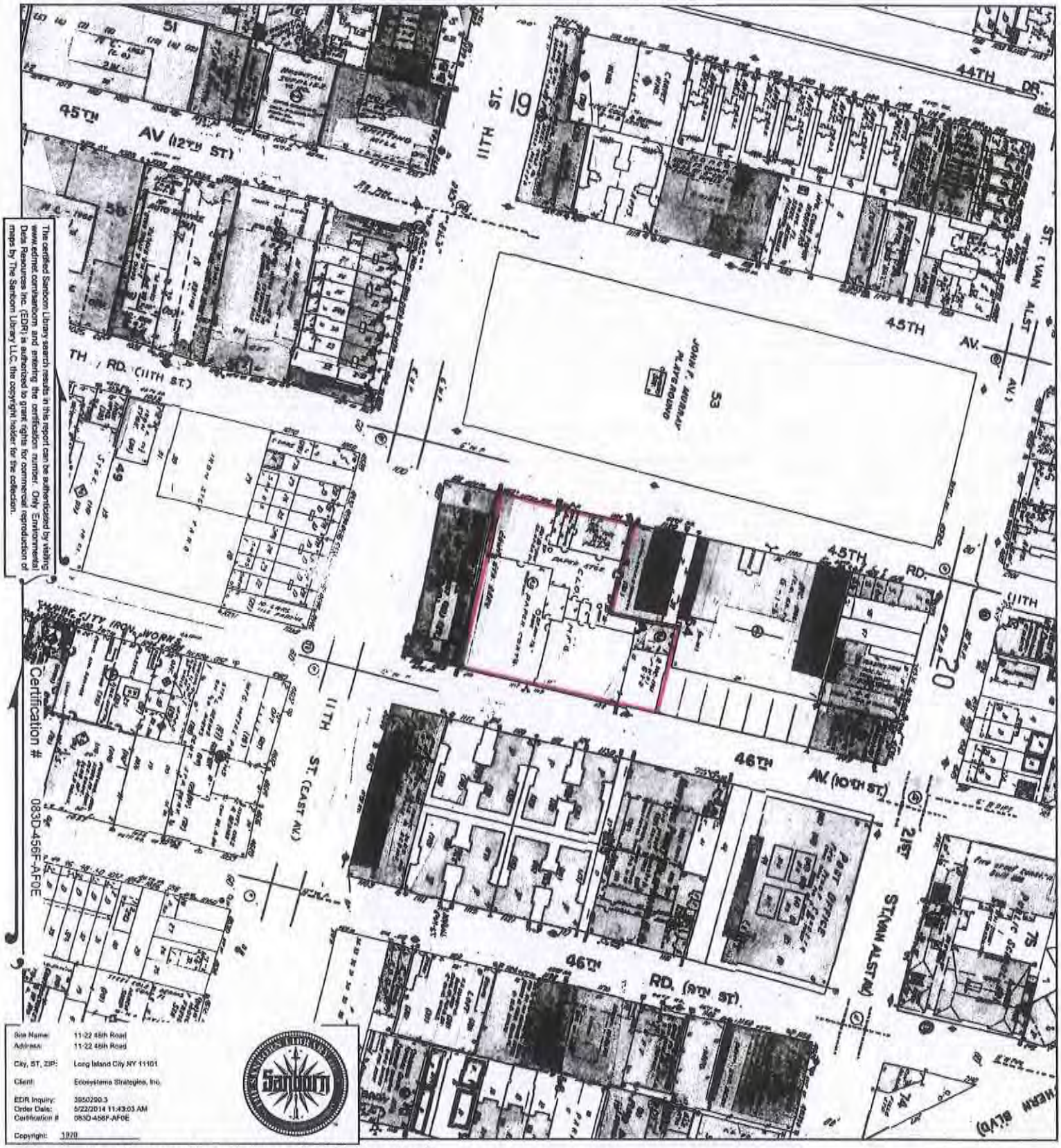


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1970 Certified Sanborn Map



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Certification #:	083D-456F-AF0E
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0 Feet 150 300 600

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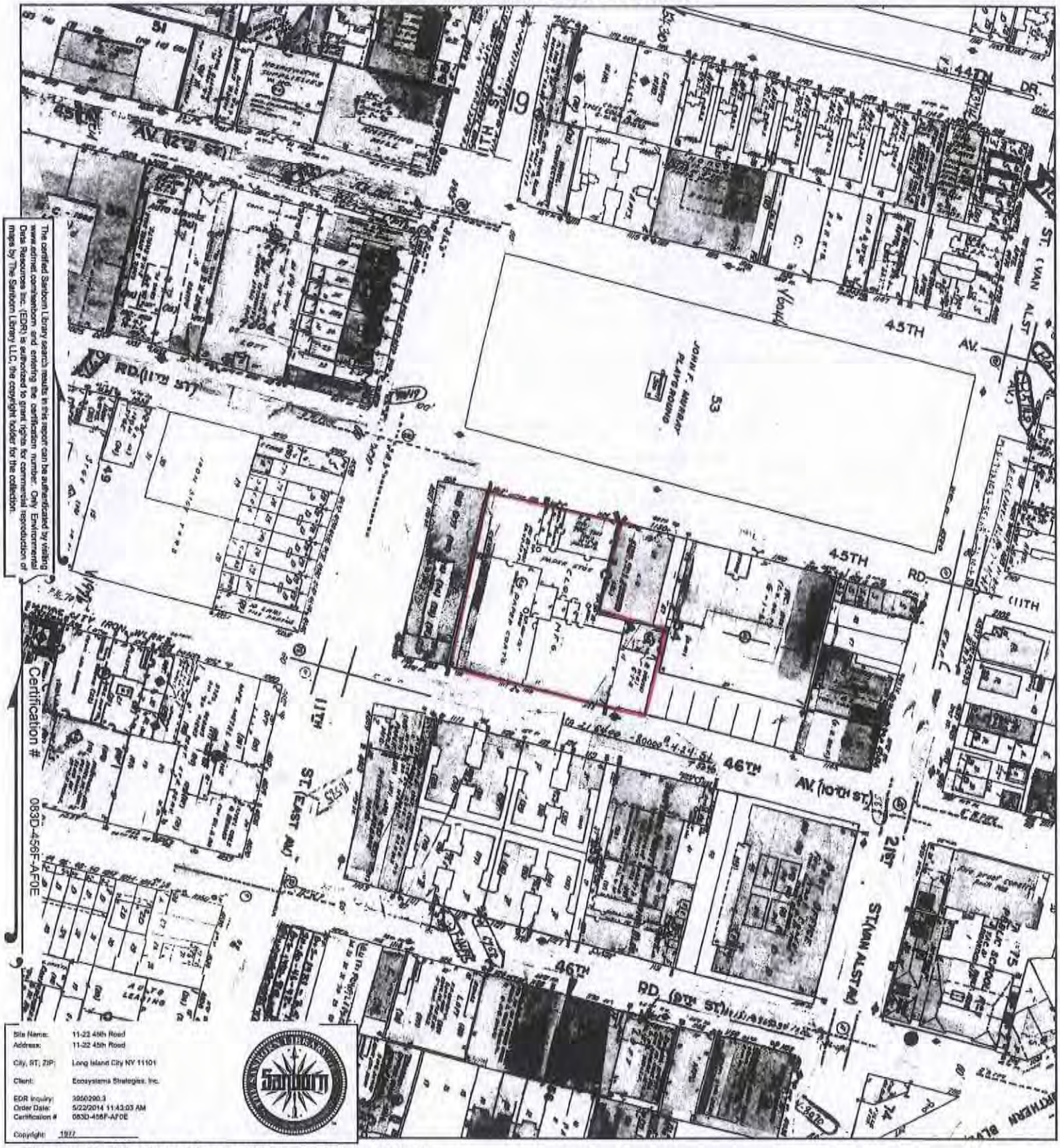
1977 Certified Sanborn Map



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Certification #	083D-456F-AF0E
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0 Feet 150 300 600

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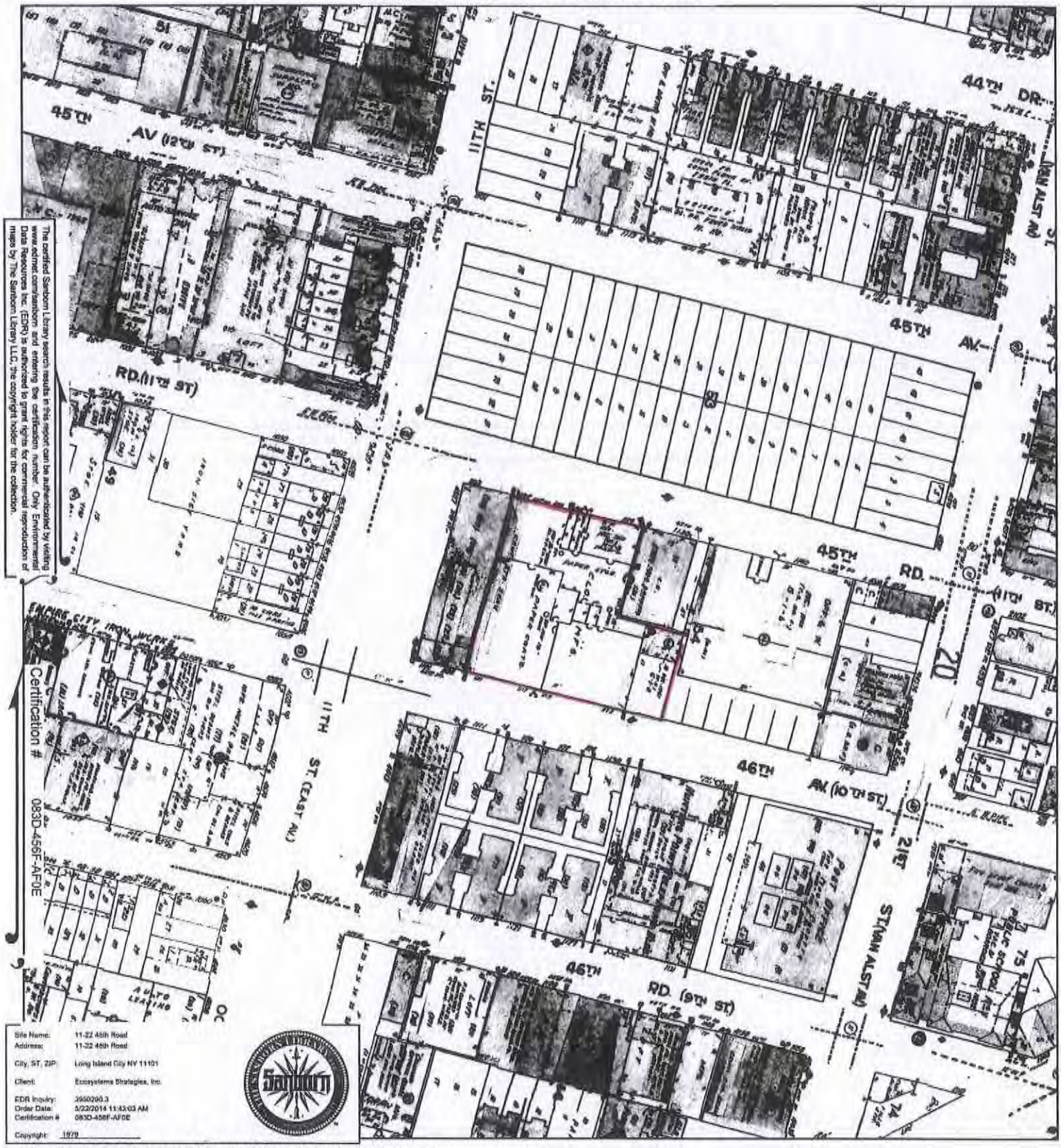
1979 Certified Sanborn Map



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Copyright:	1979

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Volume 1, Sheet 14
Volume 1, Sheet 14
Volume 1, Sheet 14

Volume 1, Sheet 19
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Order Date:	5/22/2014 11:43:03 AM
Certification #:	083D-456F-AF0E
Copyright:	1980

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0 Feet 150 300 600

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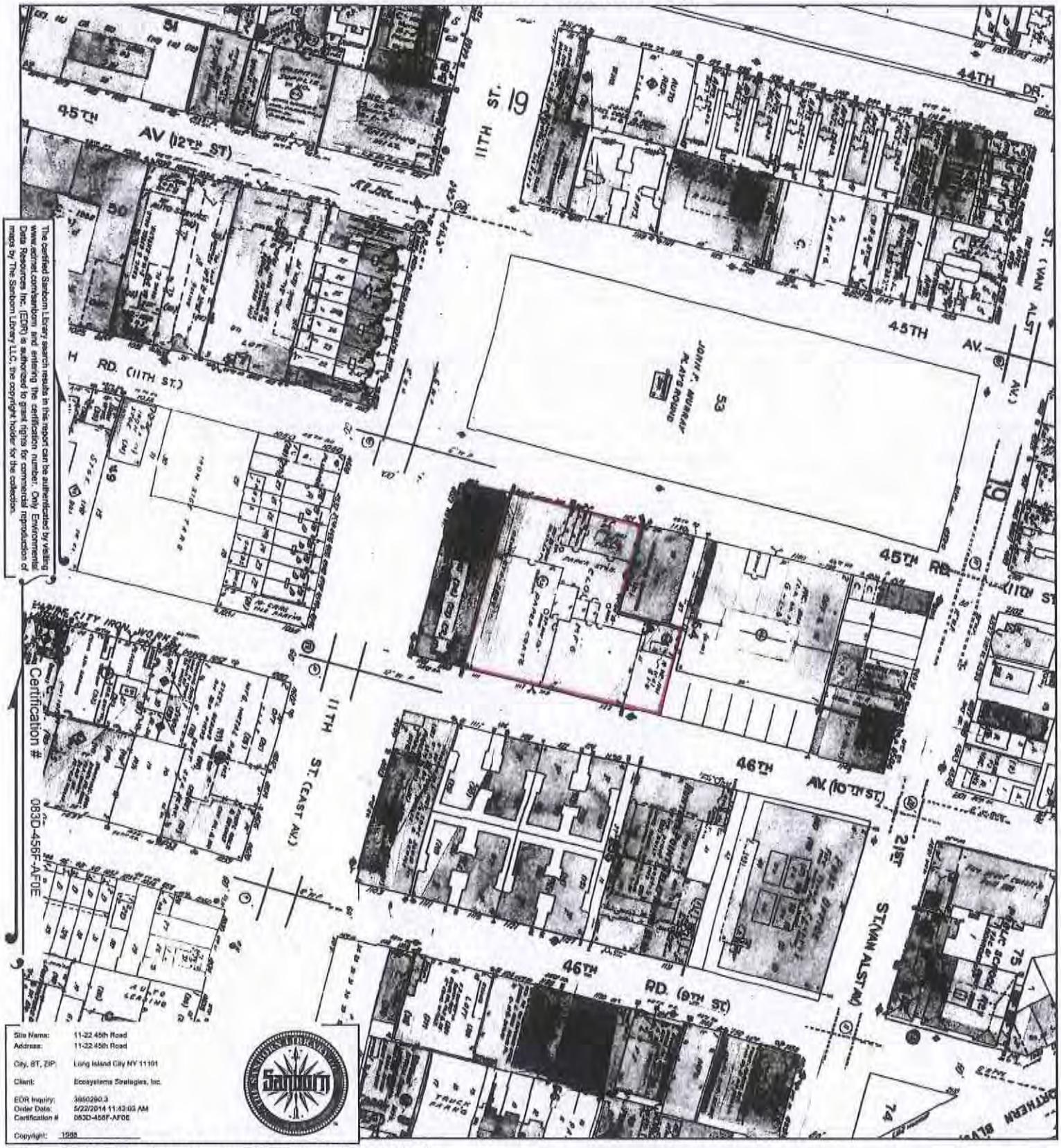
1985 Certified Sanborn Map



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Address:	11-22 45th Road
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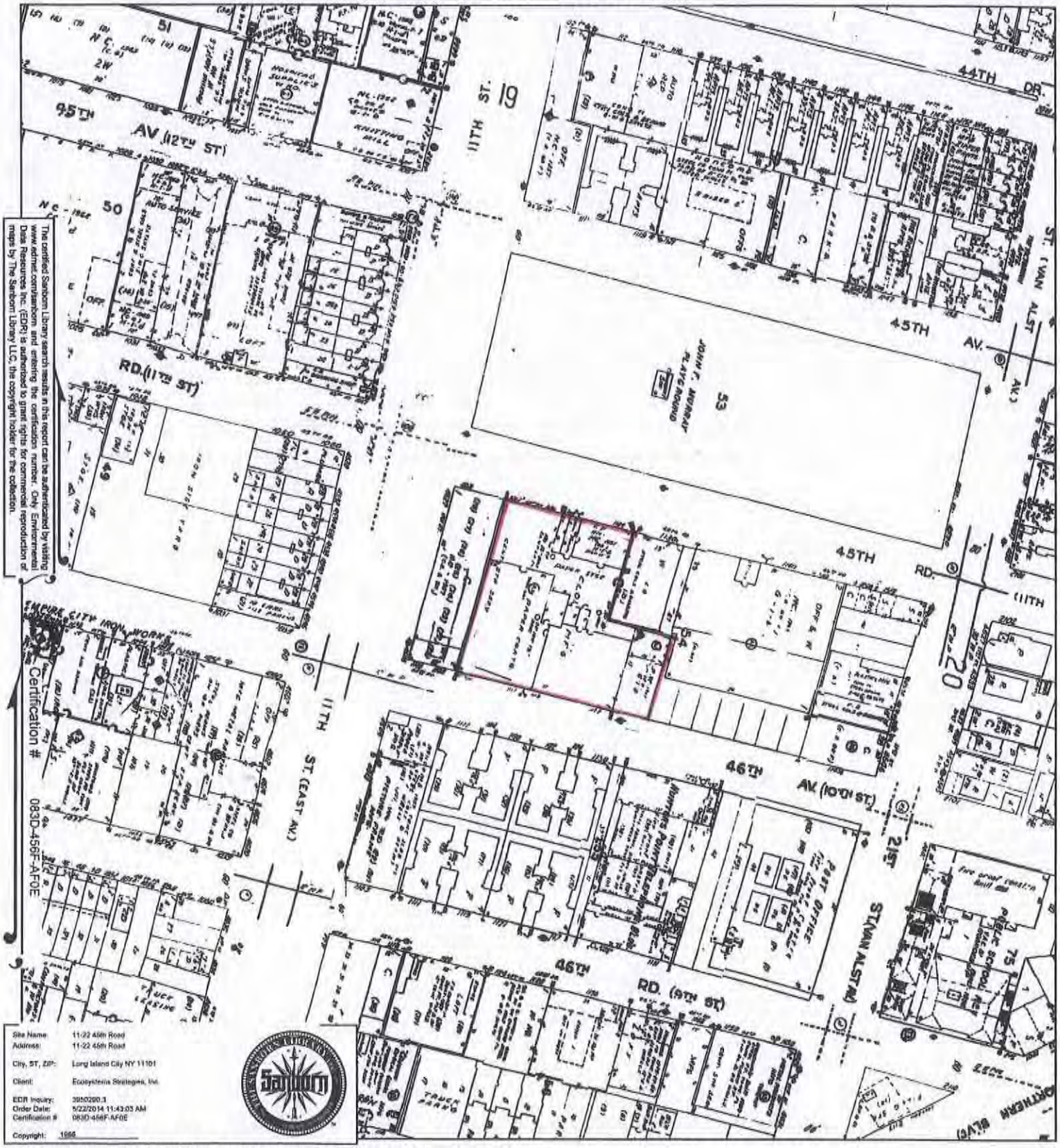
1986 Certified Sanborn Map



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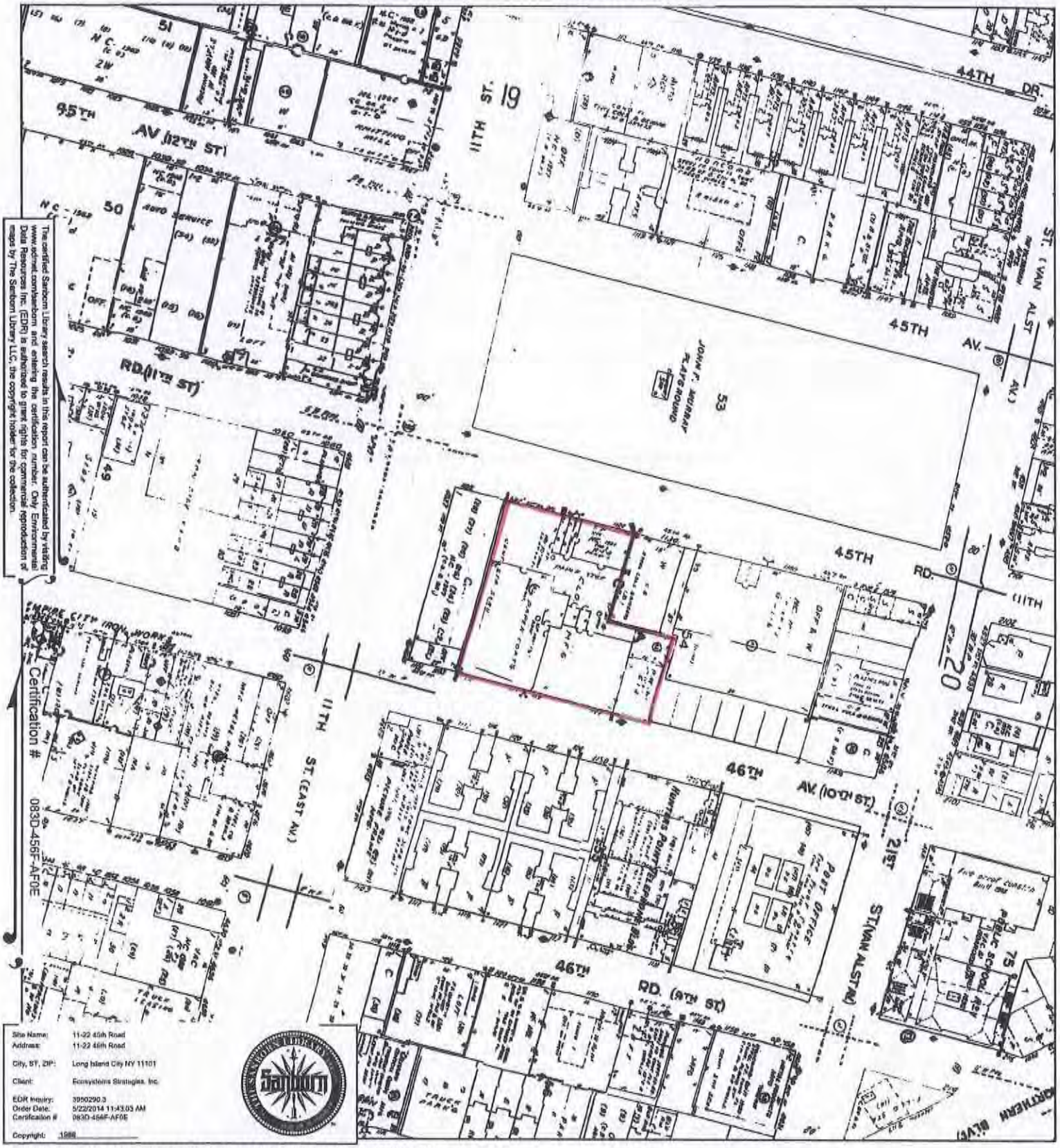
1988 Certified Sanborn Map



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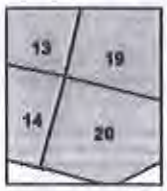

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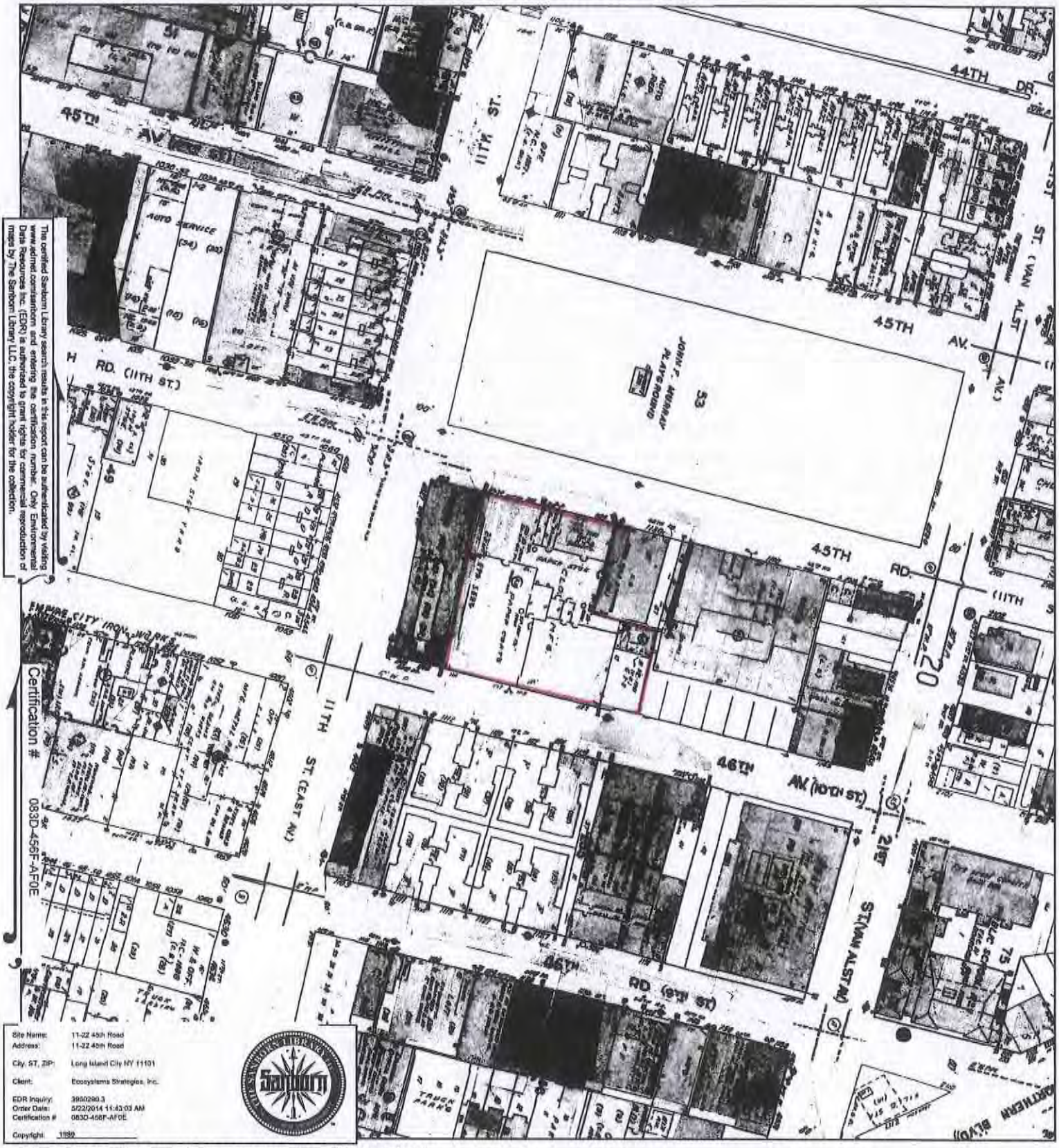
N

1989 Certified Sanborn Map



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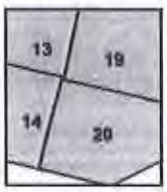

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Volume 1, Sheet 20

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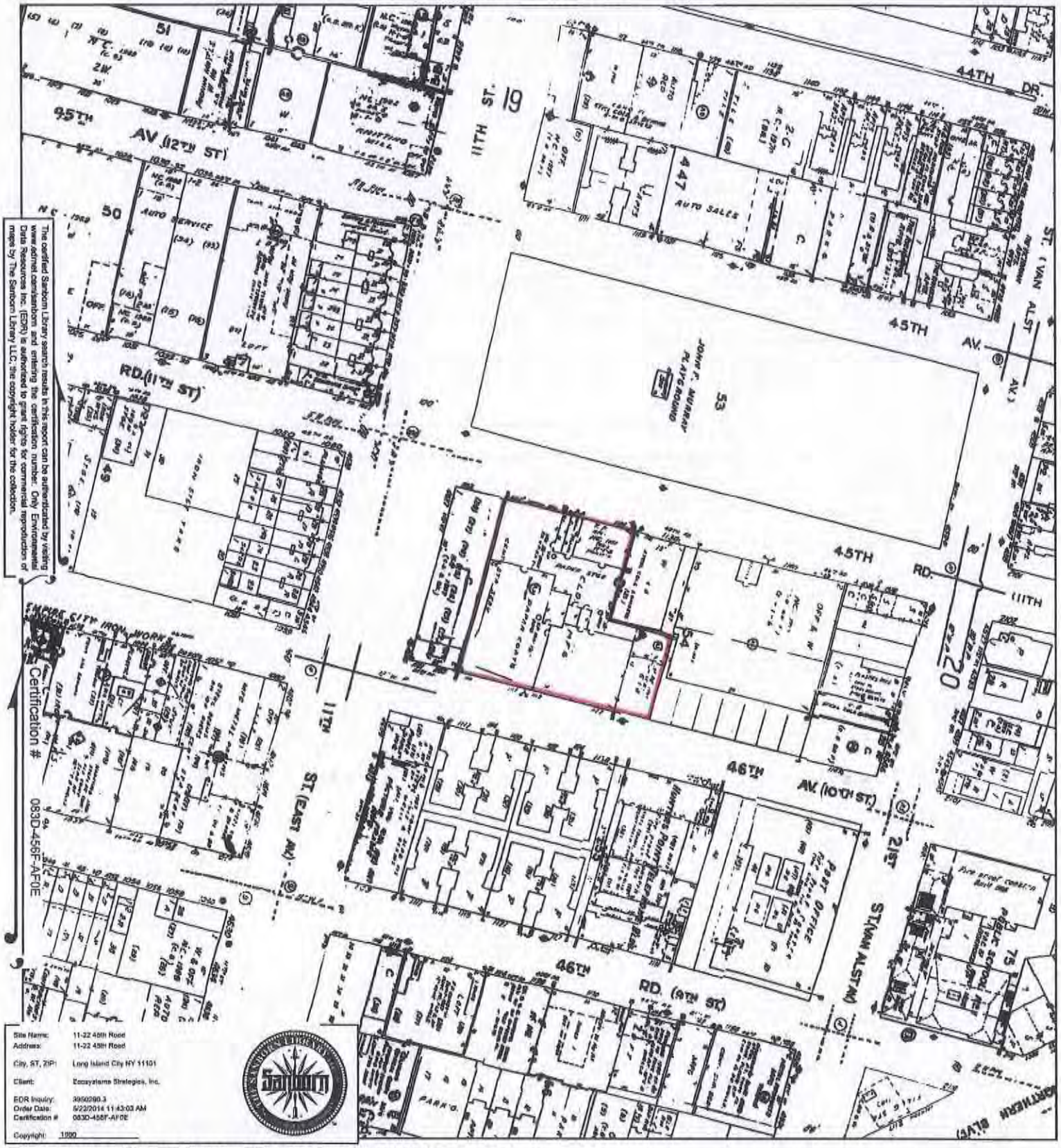
1990 Certified Sanborn Map



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1991 Certified Sanborn Map

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Certification #:	083D-456F-AF0E
Copyright:	1991

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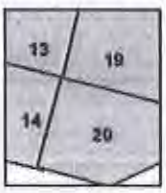

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0 Feet 150 300 600

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1992 Certified Sanborn Map

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Order Date:	5/22/2014 11:43:03 AM
Certification #:	083D-456F-AF0E
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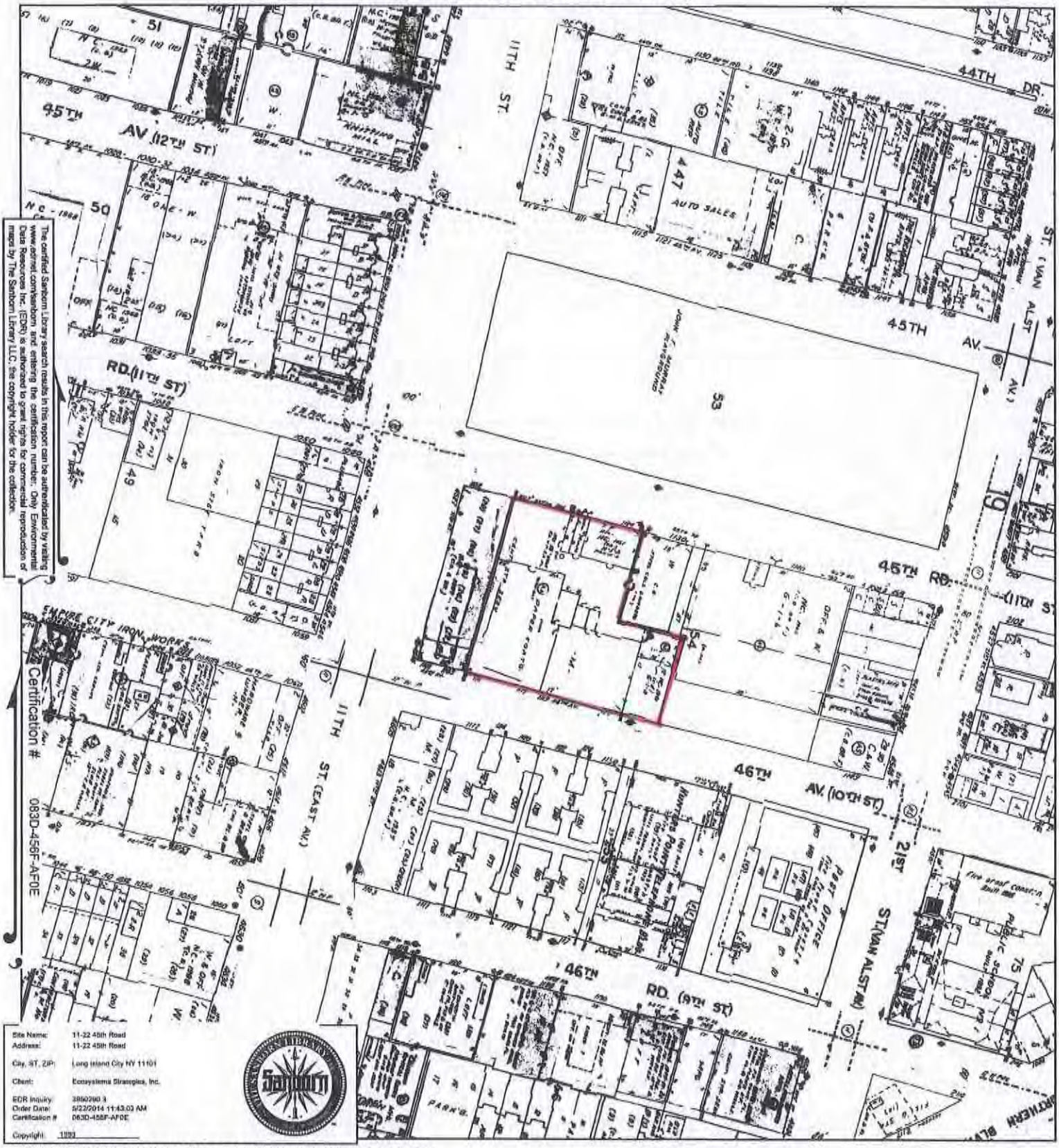
1993 Certified Sanborn Map



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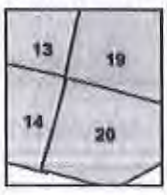

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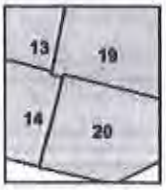

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1995 Certified Sanborn Map

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Certification #:	083D-456F-AF0E
Copyright:	1996

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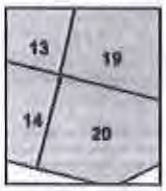
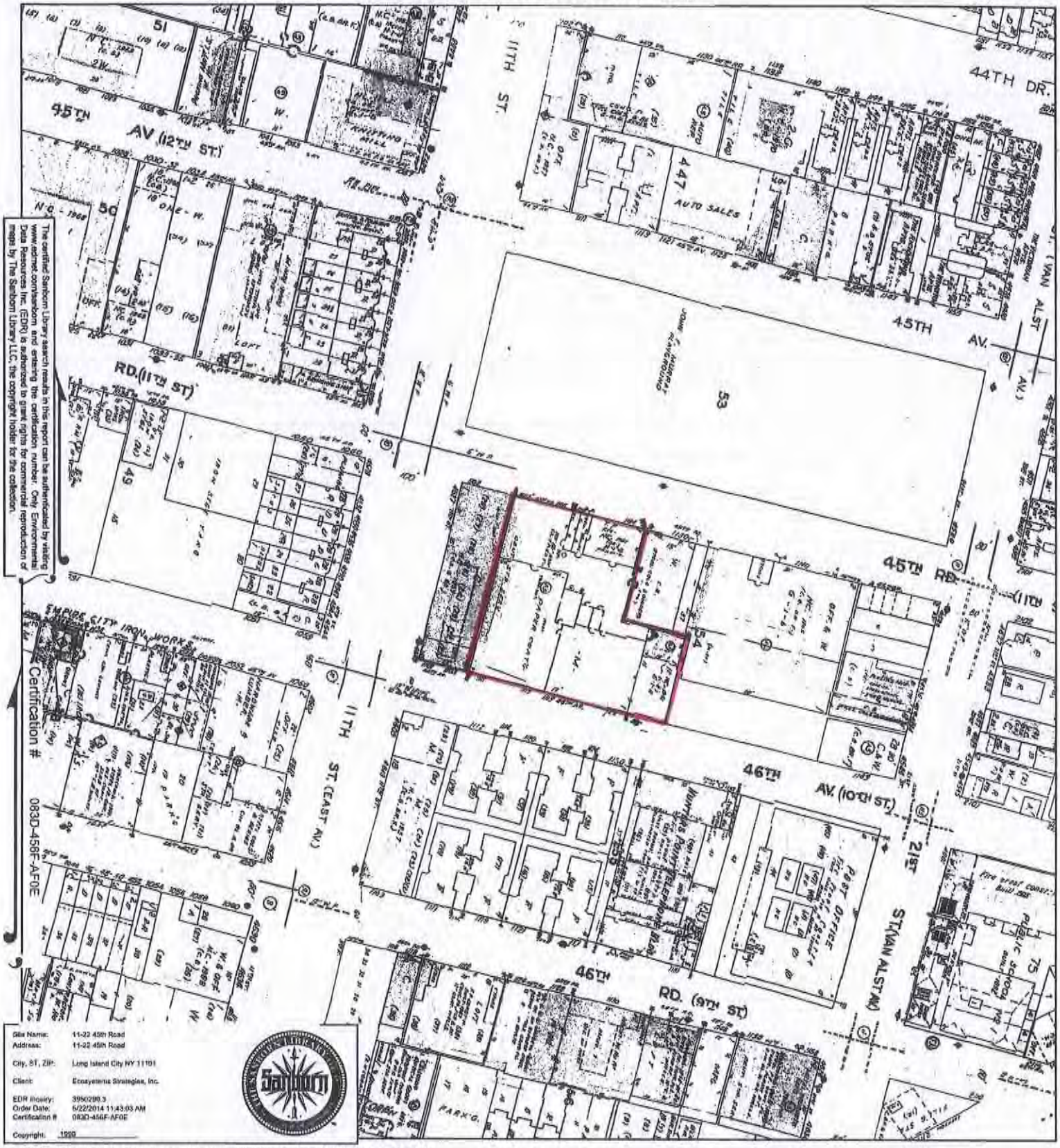


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

1999 Certified Sanborn Map



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Order Date:	6/22/2014 11:43:03 AM
Certification #	083D-456F-AF0E
Copyright:	1999

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Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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Order Date:	5/22/2014 11:43:03 AM
Certification #:	083D-456F-AF0E
Copyright:	2001

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Volume 1, Sheet 20

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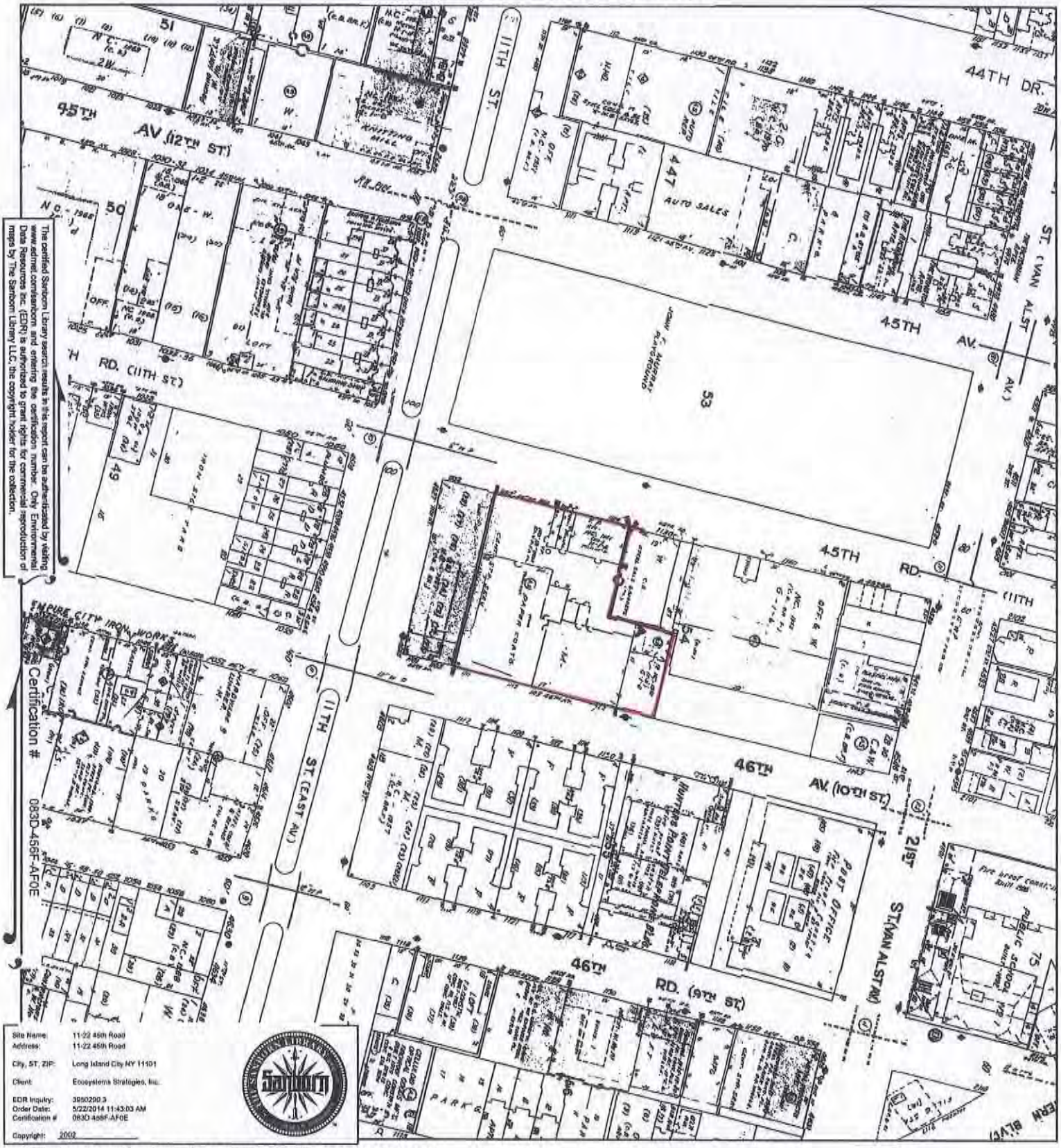
2002 Certified Sanborn Map



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EDR Inquiry:	3950290.3
Order Date:	5/22/2014 11:43:03 AM
Certification #	083D-456F-AF0E
Copyright:	2002

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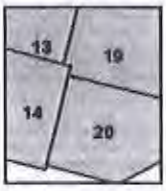

Volume 1, Sheet 13
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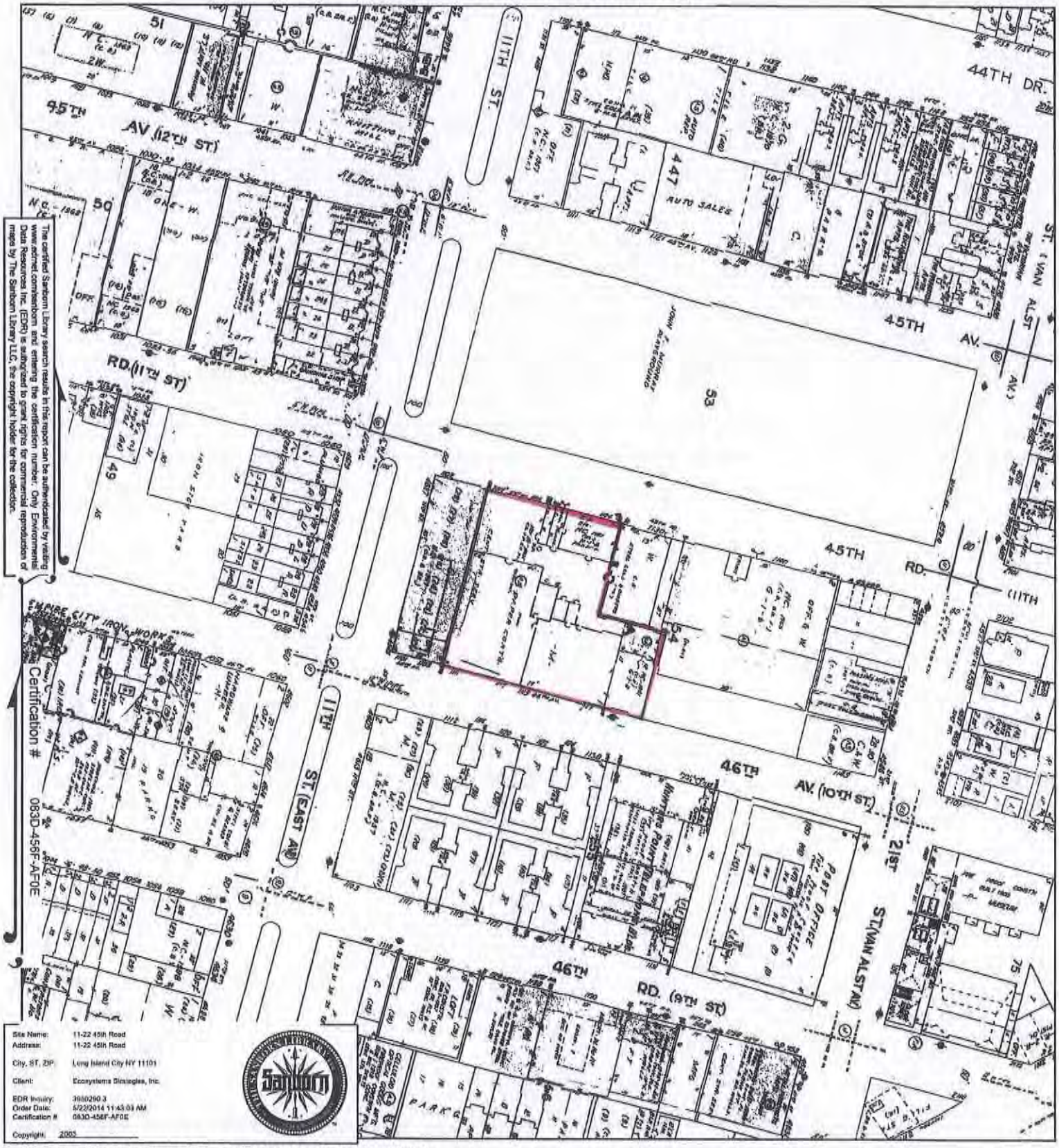
Volume 1, Sheet 20

0 Feet 150 300 600

N

2003 Certified Sanborn Map



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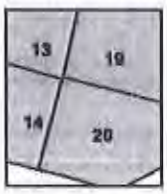
Site Name:	11-22 45th Road
Address:	11-22 45th Road
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950290.3
Order Date:	5/22/2014 11:43:03 AM
Certification #	083D-456F-AF0E
Copyright:	2003

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

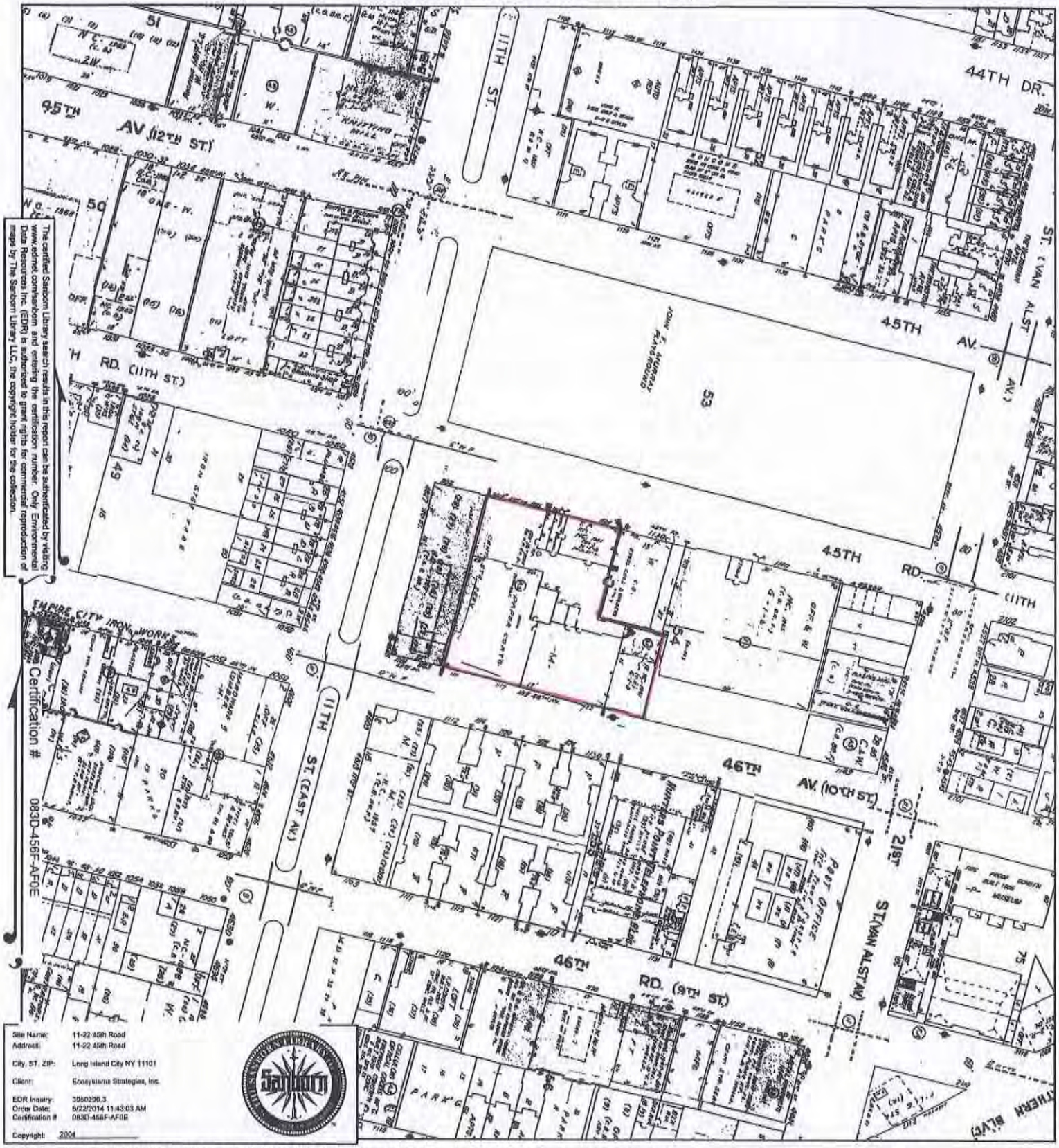


Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

2004 Certified Sanborn Map



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Certification # 083D-456F-AF0E

Site Name:	11-22 45th Road
Address:	11-22 45th Road
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950290.3
Order Date:	9/22/2014 11:43:03 AM
Certification #	083D-456F-AF0E
Copyright:	2004

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Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

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2005 Certified Sanborn Map

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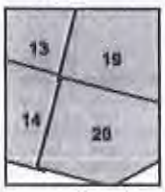
Certification # 083D-456F-AF0E

Site Name:	11-22 46th Road
Address:	11-22 46th Road
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950290.3
Order Date:	5/23/2014 11:43:03 AM
Certification #:	083D-456F-AF0E
Copyright:	2005

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 19
Volume 1, Sheet 20
Volume 1, Sheet 13
Volume 1, Sheet 14

0 Feet 150 300 600

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2006 Certified Sanborn Map

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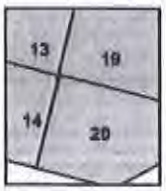
Site Name:	11-23 45th Road
Address:	11-23 45th Road
City, ST, ZIP:	Long Island City NY 11101
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	3950290.3
Order Date:	6/22/2014 11:43:03 AM
Certification #:	083D-456F-AF0E
Copyright:	2006

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 19
Volume 1, Sheet 20

0 Feet 150 300 600

N

APPENDIX D

City Directory Abstracts

11-22 45th Road
11-22 45th Road
Long Island City, NY 11101

Inquiry Number: 3950290.5
May 23, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2005	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1996	NYNEX	-	X	X	-
1991	NYNEX Information Resource Company	X	X	X	-
1983	New York Telephone	X	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	X	X	X	-
1967	New York Telephone	X	X	X	-
1962	New York Telephone Directory	-	X	X	-
1950	New York Telephone	-	X	X	-
1945	New York Telephone	-	X	X	-
1939	New York Telephone Company	-	X	X	-
1934	R. L. Polk Co.	-	X	X	-
	R. L. Polk & Co.	-	X	X	-
1922	The Metropolitan Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

11-22 45th Road
Long Island City, NY 11101

FINDINGS DETAIL

Target Property research detail.

45TH RD

1122 45TH RD

Year	*Uses*	*Source*
2008	TEL KO ELECTRONICS INC	Cole Information Services
2005	Shine Electronics Inc	Hill-Donnelly Information Services
2000	Shino Elctrncs Inc	Cole Information Services
1991	Compucare Micro Systems Inc	NYNEX Information Resource Company
	Gold Star Electronics	NYNEX Information Resource Company
	Gold Star Electronics International Inc	NYNEX Information Resource Company
	TEL KO ELECTRONICS INC	NYNEX Information Resource Company
	Telko Electronics Inc	NYNEX Information Resource Company
1983	Florelee Undrgrmnt Co Inc	New York Telephone
1970	Florelee Undrgrmnt Co Inc	New York Telephone
1967	Florelee Undrgrmnt Co Inc	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

11ST ST

4440 11ST ST

Year	Uses	Source
1991	Regal Diamond Co	NYNEX Information Resource Company
	O D I Famor Inc	NYNEX Information Resource Company
	Merchants Control Inc	NYNEX Information Resource Company
	Farber Leon B	NYNEX Information Resource Company
	Bijou Creations	NYNEX Information Resource Company
1983	Defiance Button Machine Co	New York Telephone
1976	DEFIANCE BUTTON MACHINE CO	New York Telephone

11TH PL

4616 11TH PL

Year	Uses	Source
1962	Wilson Ruth Mrs	New York Telephone Directory

11TH ST

4440 11TH ST

Year	Uses	Source
2013	AACURED TWENTY FOUR HR LOCKSMITH	Cole Information Services
	DESIGNWORKS JEWELRY	Cole Information Services
	DESIGNWORKS JEWELRY GROUP LTD	Cole Information Services
2008	ODI INC	Cole Information Services
	TACHE USA INC	Cole Information Services
	MERCHANTS CONTROL INC	Cole Information Services
	TACHE & CO INC	Cole Information Services
	DESIGNWORKS JEWELRY	Cole Information Services
2005	Original Designs Famor Inc	Hill-Donnelly Information Services
	Regal Diamond Co i ft	Hill-Donnelly Information Services
	Designworks Jewelry Group LTD	Hill-Donnelly Information Services
	Bijou Creations	Hill-Donnelly Information Services
2000	FX Manufacturers	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Farbar Leon B	Cole Information Services
	Bijou Creations	Cole Information Services

4446 11TH ST

Year	Uses	Source
1939	Defiance Button Mach Co	New York Telephone Company
1934	Defiance Button Machine Co T H Newton fcty supt	R. L. Polk & Co.
	Newton Thos H supt Defiance Button Machine Co	R. L. Polk & Co.

4461 11TH ST

Year	Uses	Source
2013	ADVANCED ORTHOMEDICAL SUPPLIES	Cole Information Services
	WEILOKS FOR HEAD OF POND LLC	Cole Information Services
	WEILOKS	Cole Information Services
	ACQC	Cole Information Services
2008	LOCAL 805 WELFARE FUND	Cole Information Services
	DENNIS PHARMACY	Cole Information Services
	CITY RIDE TRANSPORTATION	Cole Information Services
2005	Acqc	Hill-Donnelly Information Services
	Teamsters Local Union	Hill-Donnelly Information Services
	Weil Oks For Head Pond LLC	Hill-Donnelly Information Services
	Hispanic Media	Hill-Donnelly Information Services
	Spanish Yellow Pages USA	Hill-Donnelly Information Services

4464 11TH ST

Year	Uses	Source
2008	WORKSHOP4464	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services

4469 11TH ST

Year	Uses	Source
2000	Lmntr Svce New York Fr	Cole Information Services
	Rauner & Straws Inc	Cole Information Services
	Crea Dor Jwlry Inc	Cole Information Services

4472 11TH ST

Year	Uses	Source
1945	Colonial Pipe & Supl Corp	New York Telephone

FINDINGS

Year	Uses	Source
1939	Colonial Pipe & Supl Corp	New York Telephone Company
1934	Indiana Quartered Oak Co Inc NY Willard Winslow pres Herbert Mead v pres M G Taylor sec Willard Winslow treas whol lmbr	R. L. Polk & Co.

4480 11TH ST

Year	Uses	Source
2013	NEW CENTURY COLOR	Cole Information Services
	PROGRESS PRINTING CORP	Cole Information Services
	INK WORKS	Cole Information Services
2008	CAMERON GRAPHICS INC	Cole Information Services
	COMBO COLOR GRAPHICS INC	Cole Information Services
	ALL PRINTING LLC	Cole Information Services
	VISION LITHO INC	Cole Information Services
	HUTECH GRAPHICS INC	Cole Information Services
	PROGRESS PRINTING CORP	Cole Information Services
2005	Hutech Graphics is	Hill-Donnelly Information Services
	On Demand Printing 2 0 718 391 0066 o	Hill-Donnelly Information Services
	Vision Litho Inc	Hill-Donnelly Information Services
	Combo Color Graphics 1is	Hill-Donnelly Information Services
	Armen Digital Graphics i s	Hill-Donnelly Information Services
2000	45TH AV INTS FROM	Cole Information Services
	All City Swtchbrd	Cole Information Services

4502 11TH ST

Year	Uses	Source
2013	THIKANA ENTERPRISE INC	Cole Information Services
	M & M AUTO SVCE	Cole Information Services
2005	Thakana Enterprises Inc	Hill-Donnelly Information Services
2000	Thakana Entrprss	Cole Information Services
1939	Felli John garage	New York Telephone Company

4504 11TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	Elena Pagan	Cole Information Services
	Elena Pagan	Cole Information Services
1945	Cappa Michl	New York Telephone
1934	Cappa Michl Carmela porter	R. L. Polk & Co.
	Cappa Rocco ship clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Colfer Steph Rose varnish mkr	R. L. Polk & Co.
	Cappa Anthony clk	R. L. Polk & Co.

4506 11TH ST

Year	Uses	Source
2005	Gilbert Andrew	Hill-Donnelly Information Services
2000	Vanessa C Pino	Cole Information Services
	Ana A Pino	Cole Information Services
1934	Chase Clarence Anna clk	R. L. Polk & Co.
	Young Wm Gertrude chauf	R. L. Polk & Co.

4508 11TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	Stephen Mack	Cole Information Services
	J Mc Kinney	Cole Information Services
1934	De Grace Jos clk	R. L. Polk & Co.
	De Grace Theresa sten	R. L. Polk & Co.
	Di Grace John A Frances tailor	R. L. Polk & Co.
	Di Grace Jos clk	R. L. Polk & Co.
	Di Grace Tessie clk	R. L. Polk & Co.
	Pompono Robt chem	R. L. Polk & Co.
	De Grace Dorothy student	R. L. Polk & Co.
	De Grace Anthony Frances tailor	R. L. Polk & Co.
	Pompono John Kath : Pompono & Visicara	R. L. Polk & Co.

4510 11TH ST

Year	Uses	Source
2008	SARI K LINNEHAN INTERIORS LTD	Cole Information Services
2005	H Linnehan 0 G A	Hill-Donnelly Information Services
2000	Mark Mc Elhatten	Cole Information Services
	David G Linnehan	Cole Information Services
1939	Ll City Savings Bank Brdge Plz N ST Ilwel 46090	New York Telephone Company
	Ll City Registry For Nurses	New York Telephone Company
	Faust Elsie R prses rgstry	New York Telephone Company
1934	Birch Helen clk	R. L. Polk & Co.
	Hullep John Mamie auto repr	R. L. Polk & Co.
	Birch Anne Wid thos	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Birch Thos A clk	R. L. Polk & Co.
	Blihar Frank Blihar Spring & Body Shop	R. L. Polk & Co.

4512 11TH ST

Year	Uses	Source
2005	Valasek Mary	Hill-Donnelly Information Services
1945	Cioffi S	New York Telephone
1939	Cioffi S	New York Telephone Company
1934	Di Grace Louise sweeper	R. L. Polk & Co.
	Bizzaro Frank Jennie lab	R. L. Polk & Co.
	Bizzaro Michl Mary	R. L. Polk & Co.
	Ciofo Salvator Susan formn	R. L. Polk & Co.

4514 11TH ST

Year	Uses	Source
2005	HPalno TA AO	Hill-Donnelly Information Services
	Carr Maclean	Hill-Donnelly Information Services
	h Bean Kevin p	Hill-Donnelly Information Services
2000	Kevin Bean	Cole Information Services
	Matt Dolingo	Cole Information Services
1934	Incantalupo Thos Dorothy lithog	R. L. Polk & Co.

4516 11TH ST

Year	Uses	Source
2005	h Ulino Veronica Mrs Aa	Hill-Donnelly Information Services
2000	Veronica	Cole Information Services
1970	Ulino Robt	New York Telephone
1967	Ulino Robt	New York Telephone
1962	Ulino Robt	New York Telephone Directory
1945	Ulino Robt	New York Telephone
1934	Ulino Robt I Angelina agt Met Life Ins Co	R. L. Polk & Co.
	Smith Richd Amelia firemn	R. L. Polk & Co.

4518 11TH ST

Year	Uses	Source
2005	Untitled Management o	Hill-Donnelly Information Services
	h Tisne Claire	Hill-Donnelly Information Services
	Cruz Vanessa vv	Hill-Donnelly Information Services
2000	J Mc Donnell	Cole Information Services
	Tsay Wen Ching	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Thomas Bosket	Cole Information Services
1934	Mc Goldrick Jas Margt tax comnr Brooklyn	R. L. Polk & Co.
	Mc Goldrick Wm clk	R. L. Polk & Co.

4520 11TH ST

Year	Uses	Source
2013	M C JEWELRY CORP	Cole Information Services
2005	M C Jewelry Corp	Hill-Donnelly Information Services
2000	45TH RD INTS FROM	Cole Information Services
	Jewelry Corp	Cole Information Services

4528 11TH ST

Year	Uses	Source
2013	MICHAEL W YOUNG ASSOCS INC	Cole Information Services
2008	MY DESIGN GROUP	Cole Information Services
2005	My Design Group Inc IP	Hill-Donnelly Information Services
2000	D Studio	Cole Information Services
	Mydesign Group Inc	Cole Information Services
	Mydesign Group Inc	Cole Information Services
	My Design Grp Inc	Cole Information Services
	Allstar Intrntl	Cole Information Services
1945	Mulligan Thos F plumbr	New York Telephone
1939	Mulligan Thos F plumbr	New York Telephone Company
1934	Mulligan Thos F Margt plmbr	R. L. Polk & Co.

4530 11TH ST

Year	Uses	Source
1939	Sullivan Timothy J	New York Telephone Company
	Harding Theresa	New York Telephone Company
1934	Sullivan Timothy J Henrietta police	R. L. Polk & Co.
	Rossiter Thos E jr auto mech	R. L. Polk & Co.
	Harding Theresa wid Jos	R. L. Polk & Co.
	Rossiter John letter carrier	R. L. Polk & Co.
	Rossiter Thos E	R. L. Polk & Co.

4532 11TH ST

Year	Uses	Source
2013	LLC TRUCKING CORP	Cole Information Services
2005	h Dwyer Jennifer A	Hill-Donnelly Information Services
	Dwyer R C	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Lic Trucking Corp	Hill-Donnelly Information Services
2000	Dwyer	Cole Information Services
	William Dwyer	Cole Information Services
1945	Alifano Rocco	New York Telephone
1934	Santangelo Louis elev opr	R. L. Polk & Co.
	Santangelo Gennaro Eugenia floatmn	R. L. Polk & Co.
	Alifano Rocco Anna chauf	R. L. Polk & Co.
	Calci Rudolph Virginia barber	R. L. Polk & Co.

4534 11TH ST

Year	Uses	Source
2005	h Schladweller Keith v	Hill-Donnelly Information Services
	H Martin G 718 784 3502 s	Hill-Donnelly Information Services
2000	Jason Mc Kim	Cole Information Services
	G Martin	Cole Information Services
1945	Smyth Jos	New York Telephone
1934	Glenn John J Margt trucking	R. L. Polk & Co.
	Glenn John J jr police Mhn	R. L. Polk & Co.
	Glenn Arth clk	R. L. Polk & Co.
	Donnelly Geo J Frances city firemn	R. L. Polk & Co.

4535 11TH ST

Year	Uses	Source
2013	WAYLAND INDUSTRIES INC	Cole Information Services
2008	WAYLAND INDUSTRIES INC	Cole Information Services
	ASSEMBLY PROCESS CO INC	Cole Information Services
2005	Wayland Inc	Hill-Donnelly Information Services
2000	Wayland Indstrs	Cole Information Services

4536 11TH ST

Year	Uses	Source
2005	h Vlttlglio S	Hill-Donnelly Information Services
2000	S Vittiglio	Cole Information Services
	Rolando Dur	Cole Information Services
	Cathy Vittiglio	Cole Information Services
1934	Oliveri Christina tel opr	R. L. Polk & Co.
	Augustine Louis Margt lab	R. L. Polk & Co.
	Oliveri Vincent Theresa brass turner	R. L. Polk & Co.
	Augustine Rocco Julia auto mech	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Oliveri Jos seamn	R. L. Polk & Co.

4538 11TH ST

Year	Uses	Source
2005	4540 NCL	Hill-Donnelly Information Services
2000	Hana A Dolgin	Cole Information Services
	Jason Sarach	Cole Information Services
1945	Carroll Dorothea A	New York Telephone
1934	Carroll Dan F	R. L. Polk & Co.
	Carroll Edw clk	R. L. Polk & Co.
	Carroll Gerald clk	R. L. Polk & Co.
	Carroll John J Anna V slsmn	R. L. Polk & Co.
	Carroll John J jr tchr	R. L. Polk & Co.

4540 11TH ST

Year	Uses	Source
2000	Catherine Mc Neil	Cole Information Services
1934	Henning Helen G tchr	R. L. Polk & Co.
	Henning Elizabeth bkpr	R. L. Polk & Co.
	Henning Jas clk	R. L. Polk & Co.
	Higgins Sylvester Winefred exmng inspr Commnr of Accounts	R. L. Polk & Co.

4542 11TH ST

Year	Uses	Source
2005	h Treanor Karen v	Hill-Donnelly Information Services
2000	Bethann Reese	Cole Information Services
	Ann Ducati	Cole Information Services
	Karen Treanor	Cole Information Services
	J Reese	Cole Information Services
1934	Dressler Aug Adelaide clk	R. L. Polk & Co.

4544 11TH ST

Year	Uses	Source
2005	Verhurst Christine	Hill-Donnelly Information Services
	h Mcgoff Michael 718 937 5255 o	Hill-Donnelly Information Services
	Mcgoff Michael	Hill-Donnelly Information Services
	is 718 784 9369 o	Hill-Donnelly Information Services
	Computer & Network Integrators	Hill-Donnelly Information Services
2000	Christine Verhurst	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Christine Verhulst	Cole Information Services
	C Verhulst	Cole Information Services
	Kazimierz Prostko	Cole Information Services
	Alvaro Caro	Cole Information Services
1934	Walsh Edw sta eng	R. L. Polk & Co.
	Gallagher Patk lab	R. L. Polk & Co.
	Kingston Saml Sweeper	R. L. Polk & Co.

4546 11TH ST

Year	Uses	Source
2013	CCIA COMPUTER COOL AGE	Cole Information Services
2008	COMPUTERCOOL AIR CONDITIONING INC	Cole Information Services
	CCIA COMPUTER COOL AGE	Cole Information Services
	COMPUTER COOL ICEAGE MECHANICAL	Cole Information Services
2005	Ccla Inc	Hill-Donnelly Information Services
	Computercool Air Conditioning	Hill-Donnelly Information Services
2000	Ccia Inc	Cole Information Services
	46TH AV INTS FROM	Cole Information Services

4591 11TH ST

Year	Uses	Source
2005	465 Cars I	Hill-Donnelly Information Services

46-31 11TH ST

Year	Uses	Source
1950	SALOMONE ANTHONY W	New York Telephone

46-32 11TH ST

Year	Uses	Source
1950	MARINELLO M DELETTA MRS	New York Telephone

46-34 11TH ST

Year	Uses	Source
1950	WALTHAUSEN H	New York Telephone

46-37 11TH ST

Year	Uses	Source
1950	MORLARTY THOS F	New York Telephone

FINDINGS

46-41 11TH ST

Year	Uses	Source
1950	CALVIN MARGARET V MRS	New York Telephone

46-43 11TH ST

Year	Uses	Source
1950	BLECHI NICHOLAS	New York Telephone

46-44 11TH ST

Year	Uses	Source
1950	FAHNESTOCK ELEC CO INC	New York Telephone
	DERMOCARE FORMULA SOAP CORP	New York Telephone
	REINITZ SOAP CORP	New York Telephone
	SAFETY EXPRESS & TRUCKING INC	New York Telephone

4606 11TH ST

Year	Uses	Source
2013	SYMMETRY GROUP INC	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2000	Vistaar Inc	Cole Information Services
	Bambl Reality	Cole Information Services
	Bures Cheml Syst	Cole Information Services
	Kuckuck Hommer	Cole Information Services

4609 11TH ST

Year	Uses	Source
2013	MERGE MARKETING	Cole Information Services
	BIG CITY GRAPHX & PRINTING	Cole Information Services
2008	BIG CITY GRAPH X & PRINTING	Cole Information Services
	MERGE MARKETING	Cole Information Services
	GENERAL INSULATION CO INC	Cole Information Services
2005	Pride Printing 2 o	Hill-Donnelly Information Services
	Merge Marketing 1 P	Hill-Donnelly Information Services
	Big City Graph X & Printing	Hill-Donnelly Information Services
	General Insulation Inc	Hill-Donnelly Information Services
2000	David Krohn	Cole Information Services
	Borgess Upholstery	Cole Information Services

4610 11TH ST

Year	Uses	Source
2013	MAJOR AIR SVCE CORP	Cole Information Services

FINDINGS

Year	Uses	Source
2008	MAJOR AIR SERVICE CORP	Cole Information Services
	SHROID REALTY CO	Cole Information Services
2005	Major Air Svc Corp 2 o	Hill-Donnelly Information Services
2000	Shroid Constr Inc	Cole Information Services
	Shroid Constr Inc	Cole Information Services
	46TH RD INTS FROM	Cole Information Services
1967	Flush Metal Partition Corp	New York Telephone
1962	Flush Metal Partition Corp	New York Telephone Directory
	Rachlin Geo lwyr	New York Telephone Directory
1945	Flush Metal Partition Corp	New York Telephone
	Rachlin Geo lwyr	New York Telephone

4613 11TH ST

Year	Uses	Source
1962	AAA Bindry Corp	New York Telephone Directory

4614 11TH ST

Year	Uses	Source
1934	Monahan John clk	R. L. Polk & Co.

4620 11TH ST

Year	Uses	Source
2013	4620 11 ST LLC	Cole Information Services
2008	AIR TECH COOLING INC	Cole Information Services
2005	Rush Forest LLC	Hill-Donnelly Information Services
1934	Donnelly Cath	R. L. Polk & Co.
	Donnelly Helen C libraian Queens Boro Pub Lib	R. L. Polk & Co.
	Donnelly John J swtchmn	R. L. Polk & Co.
	Donnelly Kath M clk	R. L. Polk & Co.
	Donnelly Mae sten	R. L. Polk & Co.
	Donnelly Maru clk pres BQ	R. L. Polk & Co.

4627 11TH ST

Year	Uses	Source
1934	Fazio Philip Josephine prsr	R. L. Polk & Co.
	Marzano Danl Angelina lab	R. L. Polk & Co.

FINDINGS

4629 11TH ST

Year	Uses	Source
1934	Polachek Mary wid Herman	R. L. Polk & Co.
	Rapaport Charlotte Polachek & Repaport	R. L. Polk & Co.
	Polachek Ely Charlotte Polachek & Rapaport	R. L. Polk & Co.

4630 11TH ST

Year	Uses	Source
1934	Cook Fredk Eleanor lab	R. L. Polk & Co.
	Cook Fredk jr lab	R. L. Polk & Co.

4631 11TH ST

Year	Uses	Source
1934	De Canio Carmela lndrymn	R. L. Polk & Co.
	De Canio Danl Jenny elev opr	R. L. Polk & Co.
	De Canio Lucy midwife	R. L. Polk & Co.
	De Canio Salvator Lucy confr	R. L. Polk & Co.
	Felli John Lucy auto mech	R. L. Polk & Co.

4632 11TH ST

Year	Uses	Source
2005	Interstate Exterminating Svc	Hill-Donnelly Information Services
2000	Intrstt Extrem Svc	Cole Information Services
	Reutokil	Cole Information Services
1934	Gween Agnes wid Harry	R. L. Polk & Co.
	Conway Richd lab	R. L. Polk & Co.
	Conway Peter jr clk	R. L. Polk & Co.
	Conway Peter lab	R. L. Polk & Co.
	Conway Francis ship clk	R. L. Polk & Co.

4633 11TH ST

Year	Uses	Source
1934	Monahan Frank blmkr	R. L. Polk & Co.
	Monahan Frank Maryu	R. L. Polk & Co.

4634 11TH ST

Year	Uses	Source
2013	RENTOKIL	Cole Information Services
	PINNACLE REALTY OF NY LLC	Cole Information Services
2008	DON ALAN REALTY ASSOCIATES INC	Cole Information Services

FINDINGS

Year	Uses	Source
2008	RENTOKIL INC	Cole Information Services
	RENTOKIL INC PEST CONTROL SERVICE	Cole Information Services
2005	Rentokil Pest Control Svc	Hill-Donnelly Information Services
	Don Alan Realty Assoc Inc	Hill-Donnelly Information Services
2000	Don ALN Rity Assoc	Cole Information Services
1934	Mc Vey Mary wid Henry	R. L. Polk & Co.
	Conlin Thos lab	R. L. Polk & Co.
	Mc Vey	R. L. Polk & Co.

4635 11TH ST

Year	Uses	Source
1934	Hays Nellie wid Timothy	R. L. Polk & Co.
	Ronan Elizabeth	R. L. Polk & Co.

4636 11TH ST

Year	Uses	Source
2013	MAVERICK CATERERS	Cole Information Services
2008	SAGE AMERICAN KITCHEN	Cole Information Services
2005	Cafe St Barts	Hill-Donnelly Information Services
	Sage American Kitchen 1n	Hill-Donnelly Information Services
1934	Babeuf Wm Mary firemn	R. L. Polk & Co.
	Maher Wm sweeper	R. L. Polk & Co.

4637 11TH ST

Year	Uses	Source
1934	Freeman Benj carrier PO	R. L. Polk & Co.

4639 11TH ST

Year	Uses	Source
1934	Garrett Cath	R. L. Polk & Co.
	Garrett Jas pntr	R. L. Polk & Co.

4641 11TH ST

Year	Uses	Source
1945	OBrien M Miss	New York Telephone
1939	OBrien M Miss	New York Telephone Company
1934	Monahan Delia Wid Patk	R. L. Polk & Co.
	OBrien Mary drsmkr	R. L. Polk & Co.
	OBrien Patk Margt	R. L. Polk & Co.

FINDINGS

4643 11TH ST

Year	Uses	Source
1939	Miller E G	New York Telephone Company
1934	Mc Grath John lab	R. L. Polk & Co.
	Mc Grath Thos Cath wtchmn	R. L. Polk & Co.

4644 11TH ST

Year	Uses	Source
2013	COLOR GRAPHIC PRESS INCORPORATED	Cole Information Services
2008	NEW YORK EMBLEMS & AWARDS	Cole Information Services
	SIMBA AWARDS LTD	Cole Information Services
2005	Drasdn Enterprise Inc	Hill-Donnelly Information Services
2000	47TH AV INTS FROM	Cole Information Services
	Simba Awards Ltd	Cole Information Services
	New York Emblerns & Awards	Cole Information Services
	Color Graphic PRS	Cole Information Services
	Douglas Metzler	Cole Information Services
	Robert Kingston	Cole Information Services
	Timothy Lee	Cole Information Services
1945	Reinitz F & Co Inc soaps	New York Telephone
1939	Fahnestock Electric Co	New York Telephone Company
1934	Govett Limited Y Thos Govett pres Ernest Clegg v pres Albert A Danda sec Ernest H Govett treas chemists mfrs	R. L. Polk & Co.
	Fahnestock Electric Co W Va Archie P Fabnestock pres Frank Fahnestock v pres Alf A Danda sec treas	R. L. Polk & Co.
	Collene Laboratories Inc NY A L Ferguson pres A A Galich sec Mrs Percy H Williams treas chemists	R. L. Polk & Co.

4645 11TH ST

Year	Uses	Source
1934	Bales Arth lab	R. L. Polk & Co.

4647 11TH ST

Year	Uses	Source
1934	Mc Cartan Jas lab	R. L. Polk & Co.
	Melican John Agnes lab	R. L. Polk & Co.

FINDINGS

4649 11TH ST

Year	Uses	Source
1939	Barrett Almyra Mrs	New York Telephone Company
1934	Barrett John Almyra clk	R. L. Polk & Co.

4653 11TH ST

Year	Uses	Source
1939	Augente F S	New York Telephone Company
1934	Augente Frank S clk	R. L. Polk & Co.
	Augente Michl	R. L. Polk & Co.

21ST RD

4527 21ST RD

Year	Uses	Source
1939	Mc Grath Fulton	New York Telephone Company

21ST ST

4522 21ST ST

Year	Uses	Source
1939	Cardone Julia	New York Telephone Company

4523 21ST ST

Year	Uses	Source
1962	Grease & Airduct Cleang Co Inc	New York Telephone Directory

4528 21ST ST

Year	Uses	Source
2013	MEDICAL OFFICE	Cole Information Services
	QUANTECH CORP	Cole Information Services
	PARKVIEW DENTAL CENTER	Cole Information Services
	POLICE SURVIVORS FUND	Cole Information Services
2008	PARKVIEW DENTAL CENTER	Cole Information Services
	FRANCISCO & VICENTE MDS	Cole Information Services
	SEA VIEW DENTAL PC	Cole Information Services
	QUANTECH CORP	Cole Information Services
	ANGELOS GEORGOPOULOS PC	Cole Information Services
	POLICE PAGES INC	Cole Information Services
	MEDICAL OFFICE	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	City Ride Car & Umo	Hill-Donnelly Information Services
	Dekhtyar Ella DDS 1 P	Hill-Donnelly Information Services
	Freyberg Ilya DDS I P	Hill-Donnelly Information Services
	Medical Office	Hill-Donnelly Information Services
	Parkview Dental Ctr I P	Hill-Donnelly Information Services
	Police Pages Inc	Hill-Donnelly Information Services
	Police Scholarship Fund Inc	Hill-Donnelly Information Services
	Police Survivors Fund c 718 392 4497 oi	Hill-Donnelly Information Services
	Quantech Corp i s	Hill-Donnelly Information Services
	White Roger	Hill-Donnelly Information Services
	Whos Who Among American Atty	Hill-Donnelly Information Services
1991	A & S & R Commercial Lighting Power Co Inc	NYNEX Information Resource Company
	L I C Beer Distrbtrs Inc	NYNEX Information Resource Company
	Malik Constr Co	NYNEX Information Resource Company
	Malik Waterproofing & Restoration Inc	NYNEX Information Resource Company
	Mergler Mark DDS PC	NYNEX Information Resource Company
1983	ECMC INC	New York Telephone
1970	Adams A M Realty & Ins	New York Telephone
	CHRYSLER IHDUSTRL CONTRACT & CORP	New York Telephone
	Corrieri John A b	New York Telephone
	COURT SQ OFFICE CLEANG CO	New York Telephone
	Dracco Div of Fuller Co	New York Telephone
	Grease & Airduct Cleang Co Inc	New York Telephone
	Vitalyte	New York Telephone
1967	Cavanna Paul rl est	New York Telephone
	CHRYSLER INDUSTRL CONTRACTG CORP	New York Telephone
	Corrieri John A b	New York Telephone
	COURT SQ OFFICE CLEANG CO	New York Telephone
	Dracco Div of Fuller Co	New York Telephone
	Grease & Airduct Cleang Co Inc	New York Telephone
	Johnson J Albin	New York Telephone
	Quaglia Eugene A mfrs rep	New York Telephone
	Russell John F b	New York Telephone
	Slough De Flon coolg towrs	New York Telephone
	Town & Country Interior Cleang	New York Telephone
	Vitalyte	New York Telephone
1962	Albert Arthur clik cashing svce	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Atlas Co lagrs	New York Telephone Directory
	Brite Prods	New York Telephone Directory
	Cake Creations Co	New York Telephone Directory
	Chrysler Industrl Contractg Corp	New York Telephone Directory
	COURT SQ OFFICE CLEANG CO	New York Telephone Directory
	Dracco Div of Fuller Co	New York Telephone Directory
	Horn D A Co	New York Telephone Directory
	Johnson J Albin gas heatrs	New York Telephone Directory
	Pantry Pastries Inc	New York Telephone Directory
	Pantry Pantries Inc	New York Telephone Directory
	Russell John F b	New York Telephone Directory
	Thornquist Dewey H brkr	New York Telephone Directory
	Town Hse Cosmetics Inc	New York Telephone Directory
	Vitalyte	New York Telephone Directory
	Wall Colmonoy Corp	New York Telephone Directory
	Zinman A & B Inc	New York Telephone Directory
1945	Court Sq House Cleaning Co	New York Telephone
	Cristando & Co artfcl flwrs	New York Telephone
	Residence	New York Telephone
1939	Acme Sponge & Chamols Co Inc	New York Telephone Company
	Liss Chas S	New York Telephone Company
1934	Calderon Roger Marie bkpr	R. L. Polk & Co.
	Della Jacono Marie wid Fredk	R. L. Polk & Co.
	Della Jacono Theo Lena	R. L. Polk & Co.
	Della Iacono Marie wid Fredk	R. L. Polk & Co.
	Della Iacono Theo Lena	R. L. Polk & Co.
	Lasky Isidore Sadie delicatessen	R. L. Polk & Co.
	Mammone Giuseppe Carmela confr	R. L. Polk & Co.

4532 21ST ST

Year	Uses	Source
1967	Perez Librada	New York Telephone

4533 21ST ST

Year	Uses	Source
2013	IGLESIA NI CRISTO CHURCH	Cole Information Services
2008	IGLESIA NI CRISTO	Cole Information Services
2005	Iglesia Ni Cristo	Hill-Donnelly Information Services
	h Iglesia Ni Cristo A	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Iiglesia Ni Cristo Church	Hill-Donnelly Information Services
1991	Iglesia Ni Cristo	NYNEX Information Resource Company
	Iglesia Ni Cristo Church	NYNEX Information Resource Company
	Rafanan David	NYNEX Information Resource Company
1983	IGLESIA NI CRISTO	New York Telephone
	Iglesia Ni Cristo Church	New York Telephone
	Rafanan David	New York Telephone
1967	Darmstadt Ralph Rev	New York Telephone
1962	Nugent Randolph W Jr Rev	New York Telephone Directory
	VanAlst Av Methodist Church	New York Telephone Directory
1945	McDermott Wm R Rev	New York Telephone
1939	Schoonhoven Wilbur E Rev	New York Telephone Company
1934	Schoonhoven Wilbur E Rev pastor Grace M E Church	R. L. Polk & Co.

4536 21ST ST

Year	Uses	Source
1976	HUTZLER MFG CO plstcs	New York Telephone
1970	HUTZLER MFG CO plstcs	New York Telephone
1967	HUTZLER MFG CO plstcs	New York Telephone
1962	HUTZLER MFG CO plstcs	New York Telephone Directory

4537 21ST ST

Year	Uses	Source
2013	METROCOM SVCES INC	Cole Information Services
2008	TUTTLE ROOFING CO INC	Cole Information Services
2005	Tuttle Roofing Co Inc	Hill-Donnelly Information Services
1991	Pioneer Graphics Inc	NYNEX Information Resource Company
	Pioneer Graphics Inc	NYNEX Information Resource Company
1983	IDEAL ROOFING & SHEET METALS CORP	New York Telephone
1976	Arrow Bldg Restoration Inc	New York Telephone
1970	Heffron Z F	New York Telephone
1967	Oldford Edw J	New York Telephone
1962	Oldford Edw J	New York Telephone Directory
	Kottl Warren	New York Telephone Directory
1945	OLeary Arthur E	New York Telephone
	Bruschi Margaret	New York Telephone
1934	Opperman Chas mach	R. L. Polk & Co.
	OLeary Arth clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Bruschi John Jane hlpr	R. L. Polk & Co.

4539 21ST ST

Year	Uses	Source
2005	h Brown Paul A	Hill-Donnelly Information Services
	Sbihi Amin v 718	Hill-Donnelly Information Services
1991	Barthelemy Ricardo	NYNEX Information Resource Company
	Tastaeca Waldo L	NYNEX Information Resource Company
1983	Barthelemy Ricardo	New York Telephone
	Tastaca Waldo L	New York Telephone
1976	Aviles Michael	New York Telephone
1970	DeMartino Catherine M	New York Telephone
	Oldford Edward A Jr	New York Telephone
1967	DeMartino Catherine M	New York Telephone
1962	DeMartino Catherine M	New York Telephone Directory
	Drowica Al	New York Telephone Directory
1945	Jaeger Marie Mrs	New York Telephone
	Haefelin Martha Mrs	New York Telephone
1939	Haefelin Martha Mrs	New York Telephone Company
1934	Haefelin Martha wid Jos midwife	R. L. Polk & Co.
	Herlihy Hannah wid Patk	R. L. Polk & Co.
	Herlihy Hannah wid Patk	R. L. Polk & Co.
	Schiller John Margt meat ctr	R. L. Polk & Co.
	Sciller John Margt meats	R. L. Polk & Co.

4540 21ST ST

Year	Uses	Source
2013	TCM CORP	Cole Information Services
	FORTUNE PAPER COMPANY INCORPORATED	Cole Information Services
	BEAM SUPPLY	Cole Information Services
2005	Beam Supply	Hill-Donnelly Information Services
	East Coast Plastic Bag Co	Hill-Donnelly Information Services
	Fortune Paper Co Inc	Hill-Donnelly Information Services
	Supplies Unlimited LLC	Hill-Donnelly Information Services
1991	Fortune Paper Co Inc	NYNEX Information Resource Company
1983	Beam Supply Inc	New York Telephone
1976	Lopol Inc	New York Telephone
1970	Plas Kit Co kitchenwares	New York Telephone

FINDINGS

Year	Uses	Source
1967	Plas Kit Co kitchenwares	New York Telephone
1962	Plas Kit Co kitchenwarcs	New York Telephone Directory

4543 21ST ST

Year	Uses	Source
2013	JUSLER ELECTRIC	Cole Information Services
2008	SCHINDLER ELEVATOR CORP	Cole Information Services
2005	Boom Construction Inc 20 718 937 3517 o	Hill-Donnelly Information Services
1983	Castro Carmina T	New York Telephone
	Oller Lourdes	New York Telephone
	Castro T T	New York Telephone
1970	Murray Lawrence J	New York Telephone
1967	Murray Lawrence J	New York Telephone
1962	Murray Lawrence J	New York Telephone Directory
1945	Curran John J	New York Telephone
1934	Murray Della Peter	R. L. Polk & Co.
	Murray Ann clk	R. L. Polk & Co.
	Murry Lawrence Mary printer	R. L. Polk & Co.
	Murray Peter printer	R. L. Polk & Co.

4544 21ST ST

Year	Uses	Source
1939	Heim Edw Rev	New York Telephone Company
1934	Heim Edw rector St Johns Church	R. L. Polk & Co.

4545 21ST ST

Year	Uses	Source
2005	Gatus Wemer	Hill-Donnelly Information Services
	H Gatus Demetria O 718 937 9710 oo	Hill-Donnelly Information Services
	h Austria Amalia A	Hill-Donnelly Information Services
1991	Pagan Elena S	NYNEX Information Resource Company
1983	Pagan Maria I	New York Telephone
	Pagan Elena S	New York Telephone
1970	Walsh Maura R	New York Telephone
1967	Walsh Maura R	New York Telephone
1962	Walsh Maura R	New York Telephone Directory
1945	Flanagan Nellie Mrs	New York Telephone
	Walsh Thos	New York Telephone
1934	Walsh Thos Frances chauf	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Turley Mary	R. L. Polk & Co.
	Kline Anna	R. L. Polk & Co.

4546 21ST ST

Year	Uses	Source
2013	ASYMPTOTE ARCHITECTURE	Cole Information Services
	WEIL OKS	Cole Information Services
2008	NEW NY METROPOHITAN TRANSPORTATION C	Cole Information Services
	NEW YORK OFFICE SYSTEMS INC	Cole Information Services
2005	Garth Clark Gallerys Project	Hill-Donnelly Information Services
1983	Private Industry Council	New York Telephone
	Private Sanitation Union Local	New York Telephone
	Career Svce Inc	New York Telephone
1976	Alloy Casting Co	New York Telephone
1970	Wrhse	New York Telephone
1967	Wrhse	New York Telephone
1962	GAS CONSUMERS SVCE emergncy genl ofc	New York Telephone Directory
	Wrhse	New York Telephone Directory
	Schneiders Peter Sons & Co uphlstry fabrcs	New York Telephone Directory

4587 21ST ST

Year	Uses	Source
1934	Flyn John	R. L. Polk & Co.

4601 21ST ST

Year	Uses	Source
2013	P S ONE	Cole Information Services
	M WELLS DINETTE	Cole Information Services
2008	INSTITUTE FOR CONTEMPORARY ART	Cole Information Services
2005	Institute Contemporary Art	Hill-Donnelly Information Services
1991	P S One Div Of Inst For Art & Urban Resources Inc	NYNEX Information Resource Company
1983	P S One Div Of Inst For Art & Urban Resources Inc	New York Telephone
	Scharf Kenny	New York Telephone
	Kaps Ferne b	New York Telephone
	Mac Lennan T	New York Telephone
	Institute For Art & Urban Resources Inc	New York Telephone

Year	Uses	Source
1976	Economic Opportunity Act Adult Educ	New York Telephone
1970	Economic Opportunity Act Adult Educ	New York Telephone
1967	Economic Opportunity Act Adult Educ	New York Telephone

4602 21ST ST

Year	Uses	Source
2013	AMERICAN POSTAL WORKERS UNIT LOCAL 1	Cole Information Services
	LL CITY POSTAL EMPLOYEES FED CREDIT	Cole Information Services
2008	UNITED STATES POSTAL SERVICE	Cole Information Services
	LI CITY POSTAL EMPLOYEES FED CREDIT	Cole Information Services
2005	US Post O	Hill-Donnelly Information Services
	US Passport Acceptance	Hill-Donnelly Information Services
	Apwu Office 1 0 718 937 7858 o	Hill-Donnelly Information Services
	LI City Postal Employee Cu	Hill-Donnelly Information Services
1991	LI City Postal Employees Fed Credit Union	NYNEX Information Resource Company
1983	LI City Postal Employees Fed Credit Union	New York Telephone
1976	LI CITY Postal Employees Fed Credit Union	New York Telephone
1970	LI City Postal Employees Fed Credit Union	New York Telephone
	LIC	New York Telephone
1967	LI City Postal Employees Fed Credit Union	New York Telephone
1962	LI City Postal Employes Fad Credit Union	New York Telephone Directory
1939	L I City sta	New York Telephone Company
1934	POST OFFICE LONG ISLAND CITY William J Thorton Postmaster James B Keegan Assiastant Postmaster Francis X Hussey Supt of Mails Dennis J Melnerney Asst Supt of Mails	R. L. Polk & Co.

44TH DR

1034 44TH DR

Year	Uses	Source
2013	GOODMART LLC	Cole Information Services
	BRICKHOUSE CERAMIC ART CENTER	Cole Information Services
	JFD SALES CONSULTING SERVICES	Cole Information Services
	GDO CONTRACTING CORP	Cole Information Services

Year	Uses	Source
2013	KISKA DEVELOPERS INC	Cole Information Services
	KISKA CONSTRUCTION	Cole Information Services
2008	KISKA CONSTRUCTION INC	Cole Information Services
	DECOTRIM INC	Cole Information Services

1038 44TH DR

Year	Uses	Source
1939	RKS Transptn Co	New York Telephone Company

1039 44TH DR

Year	Uses	Source
2005	Dentex Research Dev Corp	Hill-Donnelly Information Services
2000	Dentex Rsrch Dev	Cole Information Services
1991	R J S Constr Corp	NYNEX Information Resource Company
	O E C Installations	NYNEX Information Resource Company
	Overseas Electric Corp	NYNEX Information Resource Company
	Overseas Interx Inc JFK Intrntnl Airpt @Jamaica@	NYNEX Information Resource Company
	Overseas National Airlines JFK Intrntnl Airpt @Jamaica@	NYNEX Information Resource Company
1976	Hispano Amer Publications	New York Telephone
1962	Siemens New York Inc dntl div	New York Telephone Directory

1040 44TH DR

Year	Uses	Source
2013	VASTU IMPORTS INC	Cole Information Services
2008	SIMPLEXGRINNELL	Cole Information Services
2005	Simplex Grinnell o	Hill-Donnelly Information Services
1983	Alde Taxi Meter Svce Co	New York Telephone
1970	Dover Laos Inc	New York Telephone
	Simon Clarence K b	New York Telephone
1967	Dover Labs Inc	New York Telephone
	NationWide Plastics Co Inc	New York Telephone
	NATL AIRLINES INC	New York Telephone
	Simon Clarence K b	New York Telephone
1962	DOMINION PRODS INC flavr bases	New York Telephone Directory
	Dover Labs Inc	New York Telephone Directory
	Simon Clarence K b	New York Telephone Directory

FINDINGS

1043 44TH DR

Year	Uses	Source
2013	JOHN BROWN	Cole Information Services
2008	LA VUELTA	Cole Information Services
	COFFEE MAKER FOODS INC	Cole Information Services
2005	La Vuelta 1 R	Hill-Donnelly Information Services
	Anfdis I William	Hill-Donnelly Information Services
2000	Kim Tobey	Cole Information Services
1991	Wolejsza Alexndr	NYNEX Information Resource Company
1983	Wolejsza Alexndr	New York Telephone
1970	Wolejsza Alexndr	New York Telephone
	Polo Cafeteria	New York Telephone
1967	Wolejsza Alexndr	New York Telephone
	Polo Cafeteria	New York Telephone
1962	Wolejsio Michaelina P	New York Telephone Directory
1945	Polo Cafeteria	New York Telephone
1934	Wolesy Milton ship clk	R. L. Polk & Co.
	Wolesy Alex Petronella confr	R. L. Polk & Co.
	Walsh Milton clk	R. L. Polk & Co.
	Walsh Alex Petronella confr	R. L. Polk & Co.
	Wolesy Wm	R. L. Polk & Co.

1050 44TH DR

Year	Uses	Source
2013	EAST RIVER COFFEE SHOP	Cole Information Services
2008	EAST RIVER COFFEE SHOP	Cole Information Services
2005	Shiromasa Klyoko v	Hill-Donnelly Information Services
	Abrego M AO	Hill-Donnelly Information Services
	h Carstens Greg A	Hill-Donnelly Information Services
	East River Coffee Shop 11 R	Hill-Donnelly Information Services
	Keeton Mark	Hill-Donnelly Information Services
	Lynch John	Hill-Donnelly Information Services
	Pascual Richard AC	Hill-Donnelly Information Services
1991	East River Coffee Shop	NYNEX Information Resource Company
	Maria Clara Inc	NYNEX Information Resource Company
	Rabeiro Wagner	NYNEX Information Resource Company
	Webster Chris	NYNEX Information Resource Company
	Crawford Kevin	NYNEX Information Resource Company
	Cain J	NYNEX Information Resource Company
	Boccate Jose	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Carstens Greg	NYNEX Information Resource Company
1983	Perry R	New York Telephone
	Jack & Jill Bucket Inc	New York Telephone
	Hecht Leon	New York Telephone
	Caldona Rafael	New York Telephone
	Balloonacy Inc	New York Telephone
1970	Twomey D bar Gril	New York Telephone
	Aguilar Bonita	New York Telephone
	Hagdorn Wm	New York Telephone
	Pforr Harry	New York Telephone
	Sepulveda Luis	New York Telephone
1967	Aguilar Bonita	New York Telephone
	Hagdorn Wm	New York Telephone
	Lallemand Guy	New York Telephone
	Pforr Harry	New York Telephone
	Twomey D bar gril	New York Telephone
1962	Aguilar Bonita	New York Telephone Directory
	Bicknell Margaret	New York Telephone Directory
	Hagdorn Wm	New York Telephone Directory
	Lauer Frank	New York Telephone Directory
	Pforr Harry	New York Telephone Directory
	Twomey D bar grill	New York Telephone Directory
1945	Lauer Frank	New York Telephone
1939	Lauer Frank	New York Telephone Company
1934	Fox Wm T Cath sexton	R. L. Polk & Co.
	Fisher Ernest A Bonita pntr	R. L. Polk & Co.
	Farrell Henry Rachel driver	R. L. Polk & Co.
	Carroll Mary wid Jas J	R. L. Polk & Co.
	Carroll Jos M lab	R. L. Polk & Co.
	Audisrch Otto Anna auto mech	R. L. Polk & Co.

1056 44TH DR

Year	Uses	Source
1934	Lauer Frank Marie slsmn	R. L. Polk & Co.

1105 44TH DR

Year	Uses	Source
2013	DIGITAL INK	Cole Information Services
	COSMOS COMMUNICATIONS	Cole Information Services

FINDINGS

Year	Uses	Source
2013	HARLIN PRINTING SERVICES INC	Cole Information Services
	LC PREMIUM LTD	Cole Information Services
2008	WINSON SURNAMER INC	Cole Information Services
	COSMOS COMMUNICATIONS INC	Cole Information Services
	ALTERNATIVE SOURCE CATALOG CO	Cole Information Services
2005	Catalog King 2 R	Hill-Donnelly Information Services
	Cosmos Communications Inc	Hill-Donnelly Information Services
	Mohican Press	Hill-Donnelly Information Services
	Winson Sumamer Inc	Hill-Donnelly Information Services
2000	Cosmos Cmmnctns	Cole Information Services
	Winson Smmir Inc	Cole Information Services
1991	Cosmos Communications Inc	NYNEX Information Resource Company
	Doublet Festitub	NYNEX Information Resource Company
	Performance Designs Inc	NYNEX Information Resource Company
	Seal Kap Packaging Inc	NYNEX Information Resource Company
1983	Seal Kap Packaging Inc	New York Telephone
	Seal Kap Packaging Inc	New York Telephone
1970	Haskon Inc	New York Telephone
1967	Haskon Inc	New York Telephone
1962	Amer Seal Kap Corp	New York Telephone Directory
	Constellation Cup Corp	New York Telephone Directory
	Seal Kap Co	New York Telephone Directory
1945	Amer Seal Kap Corp	New York Telephone
	Seal Kap Co	New York Telephone
1939	American Seal Kap Corp	New York Telephone Company
	Seal Kap Co	New York Telephone Company
1934	ODonnell Geo K pres Am Seal Kap Corp	R. L. Polk & Co.

1110 44TH DR

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services

1111 44TH DR

Year	Uses	Source
2013	CELNET COMMUNICATIONS	Cole Information Services
	ONE TO ONE INC	Cole Information Services
2008	THE PERFECT CONNECTION GROUP LLC	Cole Information Services
	THE CELLULAR NETWORK COMMUNICATION G	Cole Information Services

FINDINGS

Year	Uses	Source
2008	1818 AVE N LLC	Cole Information Services
	MATRIX MARKETING SERVICE INC	Cole Information Services
2005	Cel Net Communications	Hill-Donnelly Information Services
1991	BERGER GLASS & LOCK CO	NYNEX Information Resource Company
1934	Royal Blue Line Jos Cook forma	R. L. Polk & Co.

1112 44TH DR

Year	Uses	Source
1991	Luigis Sport Car Repr	NYNEX Information Resource Company
1983	The French Acassan & Genl Goods Inc	New York Telephone
	Frenchs Acassan & Genl Goods Inc	New York Telephone
	ATLAM AUTO BODY SHOP	New York Telephone
1976	Climaster Inc	New York Telephone
1970	Toyo Rug CoLtd	New York Telephone

1114 44TH DR

Year	Uses	Source
1962	Cruz Hector	New York Telephone Directory
1934	Coln Frank Kate chauf	R. L. Polk & Co.

1116 44TH DR

Year	Uses	Source
2013	POSADA BROTHERS AUTO	Cole Information Services
2008	POSADA BROTHERS AUTO REPAIR	Cole Information Services
2005	Posada Brothers Auto Repair	Hill-Donnelly Information Services
2000	Posada Bros At Rpr	Cole Information Services
1991	LUIGIS SPORTS CAR REPAIR INC	NYNEX Information Resource Company
1970	Hotel & Theatr Carpt Corp wrhse	New York Telephone
1945	Udylite Corp	New York Telephone

1121 44TH DR

Year	Uses	Source
2013	LOCKS & LOCKSMITHS	Cole Information Services
	MY LOCKSMITH	Cole Information Services

1133 44TH DR

Year	Uses	Source
1934	Passarelle Anthony Rose plstr	R. L. Polk & Co.

FINDINGS

1134 44TH DR

Year	*Uses*	*Source*
2005	h Antell K v 718 361 6988 oo	Hill-Donnelly Information Services
	Ditzler Anne	Hill-Donnelly Information Services
	h Mommaas Marc 718 482 1345 oo	Hill-Donnelly Information Services
	h Sabater Gloria AO	Hill-Donnelly Information Services
	h Trinidad Andres AV	Hill-Donnelly Information Services
	Zelig Shauna v O	Hill-Donnelly Information Services
2000	James Bove	Cole Information Services
1991	Eldredge Lynn	NYNEX Information Resource Company
	Gobaira Valerie	NYNEX Information Resource Company
	Johnston Gail	NYNEX Information Resource Company
	Mac Namara Pete	NYNEX Information Resource Company
	Martinez Virginia Mrs	NYNEX Information Resource Company
	Ng Scott	NYNEX Information Resource Company
	Nova Christian	NYNEX Information Resource Company
	Popiel E	NYNEX Information Resource Company
	Vankeuren Kirsten	NYNEX Information Resource Company
	Trinidad Andres	NYNEX Information Resource Company
1983	Mendoza Amoldo	New York Telephone
1976	Hager Stephen	New York Telephone
1970	Almodovar Mirtha	New York Telephone
	Dominguez Jose	New York Telephone
	Hager Stephen	New York Telephone
	Martinez Virginia Mrs	New York Telephone
	Morales Crisostomo	New York Telephone
1967	Dominguez Jose	New York Telephone
	Fries John A	New York Telephone
	Holbrook Chas E	New York Telephone
	Rodriguez Ramon	New York Telephone
1962	Caldicott Florence	New York Telephone Directory
	Dominguez Jose	New York Telephone Directory
	Fries John A	New York Telephone Directory
	Lo Presti Giuseppe	New York Telephone Directory
	Ramirez Carmen	New York Telephone Directory
	Santana Jose	New York Telephone Directory
	Stanisci Jos J	New York Telephone Directory
1934	Murray Hugh Rowena gas atndt Mhn	R. L. Polk & Co.
	Brady Peter J porter	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Cook Alex sarah Ironwkr	R. L. Polk & Co.
	Devlin John J lab	R. L. Polk & Co.
	Fowler John Eleanor handymn	R. L. Polk & Co.
	Gaffney Patk J Agnes lab	R. L. Polk & Co.
	Halloran Michl A ct atndt	R. L. Polk & Co.
	Hayes Lillian	R. L. Polk & Co.
	Hayes Patk J Delia police	R. L. Polk & Co.
	Kyne Timothy Delia hlpr Dept Sanita	R. L. Polk & Co.
	Kyne Timothy seamn	R. L. Polk & Co.
	Bodeker Otto Susan lab	R. L. Polk & Co.
	Mc Shane Peter Rose lab	R. L. Polk & Co.
	Lynch Thos fcty wkr	R. L. Polk & Co.
	Pathe Jas J Delia lab	R. L. Polk & Co.
	Robidoux Edw Stella show opr	R. L. Polk & Co.
	Smith Thos Mary supvr	R. L. Polk & Co.
	Sullivan Cornelius Margt blksmith	R. L. Polk & Co.
	Turner Howard capper	R. L. Polk & Co.
	Turner John sta eng	R. L. Polk & Co.
	Turner Jos Jennie lab	R. L. Polk & Co.
	Turner Jos jr auto mech	R. L. Polk & Co.

1136 44TH DR

Year	Uses	Source
2008	FANCY PLUS SIZE DRESSES	Cole Information Services
2005	Pope Brielle v	Hill-Donnelly Information Services
	Numbr 5 h Quintero Luis A	Hill-Donnelly Information Services
	Muti Unit Address	Hill-Donnelly Information Services
	Numbr 10 h Bedoya Henry v	Hill-Donnelly Information Services
	Chavero Jorge	Hill-Donnelly Information Services
	Numbr 7 h Oiff Obrd Leonora A	Hill-Donnelly Information Services
	Fancy Plus Size Dresses	Hill-Donnelly Information Services
	Numbr 1 Knapp Daniel v	Hill-Donnelly Information Services
	Numbr 8 h Perez Dionicao 00 718 786 9794 a	Hill-Donnelly Information Services
	Numbr 13 h Perez Frandsca	Hill-Donnelly Information Services
2000	Apartments Henry Bedoya Jr	Cole Information Services
	Hugo Bravo	Cole Information Services
	Bertha Carlin	Cole Information Services
1991	Carlin Bertha	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Arocho Argentina	NYNEX Information Resource Company
	Bedoya Henry	NYNEX Information Resource Company
	Chaux Luis Alberto	NYNEX Information Resource Company
	Clifford Leonora	NYNEX Information Resource Company
	De Leon Jose	NYNEX Information Resource Company
	Mulholland Julia	NYNEX Information Resource Company
	Perez Dionicio	NYNEX Information Resource Company
1983	Carlin Bertha	New York Telephone
	Mulholland Julia Mrs	New York Telephone
1976	Ayala Marcelo	New York Telephone
	Carlin Bertha	New York Telephone
	Cruz Luis	New York Telephone
	Domenech Rosa	New York Telephone
	Estrella F	New York Telephone
1970	Carlin Benna	New York Telephone
	Domenech Rosa	New York Telephone
	Medina Guillermo	New York Telephone
	Mulholland Julia Mrs	New York Telephone
	Munoz Gerardo	New York Telephone
	Rosado Josefa	New York Telephone
1967	Almirall Bartolo	New York Telephone
	Boghosian Sara	New York Telephone
	Carlin Bertha	New York Telephone
	de losSantos Pedro	New York Telephone
	Domenech Rosa	New York Telephone
	Griffin Desnsond	New York Telephone
	Hager Stephen	New York Telephone
	Landusky Frank	New York Telephone
	Mulholland Julia Mrs	New York Telephone
	Sarbak Chester	New York Telephone
	Weser Lena Mrs	New York Telephone
1962	Barbagallo Alfio	New York Telephone Directory
	Boghosiats Chas	New York Telephone Directory
	Boghosian Sara	New York Telephone Directory
	Carlin Bertha	New York Telephone Directory
	Franqui Jose	New York Telephone Directory
	Hager Stephens	New York Telephone Directory
	Mills Maureen	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Pabon Alice	New York Telephone Directory
	Pereira Frank	New York Telephone Directory
	Wellstood Jas C	New York Telephone Directory
	Weser Lena Mrs	New York Telephone Directory
1945	Barone Anthony	New York Telephone
1939	Synek Jerry	New York Telephone Company
1934	Beaton Wm Helen carp	R. L. Polk & Co.
	Brown Thos lab	R. L. Polk & Co.
	Devyer R eng Bonefide Cleaning & Dyeing Inc	R. L. Polk & Co.
	Dwyer Robt Margt eng	R. L. Polk & Co.
	Garvey Nora wid Owen dom	R. L. Polk & Co.
	Kimmel Meyer Mary shoe opr	R. L. Polk & Co.
	Ladisa Frank Laura printer	R. L. Polk & Co.
	Lebedeff Alex pntr	R. L. Polk & Co.
	Lebedeff Nicholas elev opr	R. L. Polk & Co.
	Loughlin John Margt brakemn	R. L. Polk & Co.
	Luongn Michl Mildred lab	R. L. Polk & Co.
	Mc Guire John Amelia bus driver	R. L. Polk & Co.
	Raymond Geo Ethel restr mgr	R. L. Polk & Co.
	Vazquez Cecilia Mrs	R. L. Polk & Co.
	Vazquez Louis Andrew J presser	R. L. Polk & Co.
	Wepner Wm H Anna police	R. L. Polk & Co.
	Carlin John Bertha hlpr	R. L. Polk & Co.

1138 44TH DR

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 12 h Arias Jose Luis 7 718 472 4983 oo	Hill-Donnelly Information Services
	Numbr 6 h Connors Tracy	Hill-Donnelly Information Services
	Numbr 12 Di Masi Marietta AV	Hill-Donnelly Information Services
	Numbr 5 h Duran Rina	Hill-Donnelly Information Services
	Espina Tinia	Hill-Donnelly Information Services
	Numbr 2 h Holbrook Craig	Hill-Donnelly Information Services
	Juan Emigdio v	Hill-Donnelly Information Services
	Numbr 10 h Lara Oscar	Hill-Donnelly Information Services
	Numbr 16 h Pena Juan v 718 784 8239 00oo	Hill-Donnelly Information Services
	h Peraza Francsca v	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2000	Francisca Peraz	Cole Information Services
	Angela Rodriguez	Cole Information Services
	Apartments Abraham Almodovar	Cole Information Services
	Jose L Arias	Cole Information Services
	Jose Charrez	Cole Information Services
	Marietta Dimasi	Cole Information Services
	Hal Holbrook	Cole Information Services
	Oscar Lar	Cole Information Services
1991	Creighton Jennifer	NYNEX Information Resource Company
	Di Masi Joseph Jr	NYNEX Information Resource Company
	Frierson John	NYNEX Information Resource Company
	Heffernan Margaret	NYNEX Information Resource Company
	Hobrook Harold	NYNEX Information Resource Company
	Hoiwrook Limousines	NYNEX Information Resource Company
	Lara Oscar	NYNEX Information Resource Company
	Cardona Luz Amparo	NYNEX Information Resource Company
	Rave Gladys	NYNEX Information Resource Company
	Vasquez Luciana	NYNEX Information Resource Company
	Buckley Sandra	NYNEX Information Resource Company
1983	Santillan Sixto	New York Telephone
	Di Masi Joseph Jr	New York Telephone
	Holbrook Limousines	New York Telephone
	Mason Victor	New York Telephone
	Sendzik Edw	New York Telephone
	Stanisci A J	New York Telephone
	Telesca Marie	New York Telephone
1976	Di Masi R B	New York Telephone
1970	Cannizzo Rose	New York Telephone
	Guglielmi Thos	New York Telephone
	Holbrook Harold	New York Telephone
	Ricotta Peter	New York Telephone
	Schmidt John	New York Telephone
	Tarsitano Napoleone	New York Telephone
	Telesca Frank	New York Telephone
1967	Eberl Herbert	New York Telephone
	Gil Cesarlo	New York Telephone
	Guglielmi Thos	New York Telephone
	Holbrook Harold	New York Telephone

FINDINGS

Year	Uses	Source
1967	Lisa Rose Mrs	New York Telephone
	Petarban Jullio	New York Telephone
	Rico Frank J	New York Telephone
	Ricotta Peter	New York Telephone
	Telesca Frank	New York Telephone
1962	Sendzik Edw	New York Telephone Directory
	Shchurko Waiter	New York Telephone Directory
	Stanisci A J	New York Telephone Directory
	Telesca Frank	New York Telephone Directory
	Barone Anthony	New York Telephone Directory
	Brown E J	New York Telephone Directory
	DiMasi Jos V	New York Telephone Directory
	Gil Cesario	New York Telephone Directory
	Guglielmi Thos	New York Telephone Directory
	Rico Frank J	New York Telephone Directory
1945	Asen A Mrs	New York Telephone
	Schwartz Ignatz	New York Telephone
	Walsh May V	New York Telephone
1939	Schwartz Ignatz	New York Telephone Company
1934	Blessinger Adelaide Mrs waitress	R. L. Polk & Co.
	Brodsky Nathan Kate pntr	R. L. Polk & Co.
	Deutsch Julia	R. L. Polk & Co.
	Fichtel Jos kitchenmn	R. L. Polk & Co.
	Gablenz Minnie wid Wm	R. L. Polk & Co.
	Hodi Alex Hermina carp	R. L. Polk & Co.
	Hodi Lanzo chauf	R. L. Polk & Co.
	Hodi Mary actress	R. L. Polk & Co.
	Mc Neil Alex Mary carp	R. L. Polk & Co.
	Mc Neil John Cath lab	R. L. Polk & Co.
	Palumbo Anthony Margt chauf Mhn	R. L. Polk & Co.
	Palumbo Jos chauf Mhn	R. L. Polk & Co.
	Reid John P Eva M carp	R. L. Polk & Co.
	Rubino Geo Mary bldg supt	R. L. Polk & Co.
	Schwartz Ignatz Anna mech	R. L. Polk & Co.
	Schwartz Isidor Gertrude confr	R. L. Polk & Co.
	Tepesco Frank Susan chauf	R. L. Polk & Co.
	Wagner Jos Mary waiter	R. L. Polk & Co.

FINDINGS

1140 44TH DR

Year	*Uses*	*Source*
2005	Tirado Luzdary	Hill-Donnelly Information Services
	Numbr 6 h Viveros Maria AV 718 392 0896 as	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	h Allaico Segundo	Hill-Donnelly Information Services
	Numbr 14 h Aragon Salome 0v	Hill-Donnelly Information Services
	Bayron I A	Hill-Donnelly Information Services
	Galvez 3orge Najera	Hill-Donnelly Information Services
	Numbr 2 h Heyliger Maria AV	Hill-Donnelly Information Services
	Maynato Maria	Hill-Donnelly Information Services
	Perez Felino	Hill-Donnelly Information Services
2000	Apartments Segundo Allaico	Cole Information Services
	Salome Aragon	Cole Information Services
	Jezreel Arias	Cole Information Services
	Jorge N Galvez	Cole Information Services
	Maria Heyliger	Cole Information Services
	Felino Perez	Cole Information Services
	Nilufa Shirin	Cole Information Services
	Gustavo Vicente	Cole Information Services
1991	Aragon Rosalina	NYNEX Information Resource Company
	Cruz Grisel	NYNEX Information Resource Company
	Garcia Francisco	NYNEX Information Resource Company
	Mejia Juan Manuel	NYNEX Information Resource Company
	Mercado Domingo	NYNEX Information Resource Company
	Murillo Jose	NYNEX Information Resource Company
	Perez Felino	NYNEX Information Resource Company
	Price William	NYNEX Information Resource Company
	Ramsingh Harry	NYNEX Information Resource Company
	Richards I	NYNEX Information Resource Company
	Vicente Gustavo	NYNEX Information Resource Company
	Viveros Maria	NYNEX Information Resource Company
1983	Cabreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
	Mencia D	New York Telephone
	Richards I	New York Telephone
	Singh J	New York Telephone
	Villaman Pablo	New York Telephone

FINDINGS

Year	Uses	Source
1976	Cadreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
1970	Cadreja Cladio	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
	Lebron Ramon	New York Telephone
	McNeil Alexndr	New York Telephone
	Suarez Melba	New York Telephone
	Villaman Pablo	New York Telephone
	Vincente Gustavo	New York Telephone
1967	Baez Carlos	New York Telephone
	Garcia Francisco	New York Telephone
	Lara Altagracia	New York Telephone
	Lardo Mrs A	New York Telephone
	McNeil Alexndr	New York Telephone
	Pagan Jaime	New York Telephone
	Torres Josephine	New York Telephone
	Vazquez Bertha	New York Telephone
	Vincente Gustavo	New York Telephone
1962	Almodovar Damaso	New York Telephone Directory
	Arico Jos J	New York Telephone Directory
	Lardo Catherine Mrs	New York Telephone Directory
	LeBron Ramon	New York Telephone Directory
	McNeil Alexedr	New York Telephone Directory
	Montalvo Georgina	New York Telephone Directory
	Rodriguez Antonia	New York Telephone Directory
	Rodriguez Mario	New York Telephone Directory
	Vitulano Jos	New York Telephone Directory
1945	Pinckard Jas J	New York Telephone
1934	Adler Max Adell clk Mhn	R. L. Polk & Co.
	Babachikos John Bertha countermn	R. L. Polk & Co.
	Domanski Frank Mary pkr	R. L. Polk & Co.
	Harms Lloyd Lena mariner	R. L. Polk & Co.
	Hodi Frank Sylvia tester	R. L. Polk & Co.
	Kaiser Wilbur Lillian auto mech	R. L. Polk & Co.
	Loucopulos Theo Theo Countermn	R. L. Polk & Co.
	Malanga Geraldine clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Malanga Lena sten	R. L. Polk & Co.
	Malanga Michl Elizabeth	R. L. Polk & Co.
	Mantis Anthony Christina lab	R. L. Polk & Co.
	Mantis Theo Mary	R. L. Polk & Co.
	Monroe Jas Genevieve carp	R. L. Polk & Co.
	Schwartz Goldie	R. L. Polk & Co.
	Schwartz Harry Jenny confr	R. L. Polk & Co.
	Sheldon Franics Pauline chauf	R. L. Polk & Co.
	Smith Harrlet wid Wm bldg supt	R. L. Polk & Co.
	Solamono Benj Angelina lab	R. L. Polk & Co.
	Weissman Sidney Blanche cloaks	R. L. Polk & Co.

1142 44TH DR

Year	Uses	Source
2008	MOONRISING HOUSE EVENT	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 3 h Almodovar Milagros AV	Hill-Donnelly Information Services
	Bidault Thierry y	Hill-Donnelly Information Services
	h Cutti A AV	Hill-Donnelly Information Services
	Numbr 2 h Hernandez Mary	Hill-Donnelly Information Services
	Numbr 6 h Javier M v	Hill-Donnelly Information Services
	Numbr 15 h Lopez Mildred A	Hill-Donnelly Information Services
	Numbr 11 h Ofa Cario	Hill-Donnelly Information Services
	Numbr 5 Starfield Marl A	Hill-Donnelly Information Services
	Tagulam Herminio	Hill-Donnelly Information Services
2000	Apartments Mirlagros Almodovar	Cole Information Services
	Jimmy Espinal	Cole Information Services
	Thao Lam	Cole Information Services
	M Lopen	Cole Information Services
	Mildred Lopez	Cole Information Services
	Sherry L Martinez	Cole Information Services
	Carlo O	Cole Information Services
	Miguel A Pomares	Cole Information Services
	Mana Rojas	Cole Information Services
	Carlos Villegas	Cole Information Services
1991	Attoinese D	NYNEX Information Resource Company
	Guzman Leon	NYNEX Information Resource Company
	Pichordo J	NYNEX Information Resource Company
	Rodriguez Antonia	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1983	Gonzalez D	New York Telephone
	Lopez Rafael	New York Telephone
	Nunez R	New York Telephone
	Ortega Jairo	New York Telephone
	Rios Rafael Eduardo	New York Telephone
	Rodriguez Antonia	New York Telephone
1976	Arce Hilario	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone
1970	Almodovar Mary	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone
	Garcia Fausto	New York Telephone
	Osorio Carlos A	New York Telephone
	Rodriguez Antonio	New York Telephone
	Tecsidor John T	New York Telephone
1967	Almodovar Irene	New York Telephone
	Arenas Thos	New York Telephone
	Carlo Jose	New York Telephone
	Leon Herminco Rodriquez	New York Telephone
	Rodriguez Antonia	New York Telephone
	Torres Julia	New York Telephone
1962	Almodovar Juan S	New York Telephone Directory
	Arenas Thos	New York Telephone Directory
	Carlo Jose	New York Telephone Directory
	Gonzalez Juan	New York Telephone Directory
	Leon Herminco Rodriquez	New York Telephone Directory
	Ortiz Encarnacion	New York Telephone Directory
	Palazzolo Leonard	New York Telephone Directory
	Suarez Maria	New York Telephone Directory
	Trochelman Anna	New York Telephone Directory
	Vazquez Noel	New York Telephone Directory
1945	Anthony Georgette	New York Telephone
	Weissman Sidney	New York Telephone
1934	Louizzo Angelo printer	R. L. Polk & Co.
	Bnai Israel Saml Bassow pastor	R. L. Polk & Co.
	Casdro Alf cigarmkr	R. L. Polk & Co.
	Colbert Jos Mary inspr	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	De Alto Josephine filler	R. L. Polk & Co.
	Eicholz Wm Emily chef	R. L. Polk & Co.
	Fresco Emanuel J Leah milkmn	R. L. Polk & Co.
	Gelpi John Bertha lndrymn	R. L. Polk & Co.
	Green Saml Rose clk	R. L. Polk & Co.
	Jeanopolo Peter Helen bootblk	R. L. Polk & Co.
	Kelly Patk Deliah wtchmn	R. L. Polk & Co.
	Lieari May bkbndr	R. L. Polk & Co.
	Lieari Rose clk	R. L. Polk & Co.
	Lieari Sol slsmn	R. L. Polk & Co.
	Nicholas Christo Sophie counteramn	R. L. Polk & Co.
	Nicholos Christian Sophie lab	R. L. Polk & Co.
	ODonnell Peter Margt mach	R. L. Polk & Co.
	Pappas Gerna Helen barber	R. L. Polk & Co.
	Pecorino Jas eng	R. L. Polk & Co.
	Pecorino Josephine bkpr Mhn	R. L. Polk & Co.
	Smusz Frank Dora countermn	R. L. Polk & Co.
	Vitulano Margt wid Frank	R. L. Polk & Co.
	Zutoss Thos countermn	R. L. Polk & Co.

1144 44TH DR

Year	Uses	Source
2005	h Blanco Abel	Hill-Donnelly Information Services
	Borsuk E v	Hill-Donnelly Information Services
	Hervleux A	Hill-Donnelly Information Services
	Leal Domingo	Hill-Donnelly Information Services
	Stokes Van	Hill-Donnelly Information Services
2000	Abel Blanco	Cole Information Services
	Eric Generes	Cole Information Services
	A Hervieux	Cole Information Services
	Maki Hiragushi	Cole Information Services
	Karen Landusky	Cole Information Services
	Manano Leal	Cole Information Services
	Emily Mattocks	Cole Information Services
	Albert Mowatt	Cole Information Services
	Adrian Perez	Cole Information Services
	Ahira Rosario	Cole Information Services
	Apartments Roberto Bede	Cole Information Services
1991	Ibrahim E	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Rodriguez Joseph	NYNEX Information Resource Company
	Almodovar M	NYNEX Information Resource Company
	Castillo Anilda	NYNEX Information Resource Company
	Daroqui Manuel A	NYNEX Information Resource Company
	Rosario Ahira	NYNEX Information Resource Company
1983	Castillo Awilda	New York Telephone
	Daroqui Manuel A	New York Telephone
	Landusky A	New York Telephone
	Rosario Leonara	New York Telephone
1976	Daroqui Manuel A	New York Telephone
	Conte Angelo	New York Telephone
1970	Concepcion Raimunao	New York Telephone
	Conte Angelo	New York Telephone
	Daroqui Manuel A	New York Telephone
	Griffin Helen C RN	New York Telephone
	Pantoja Marco	New York Telephone
	Quinones Ahira	New York Telephone
	Sadrakula Edw A	New York Telephone
1967	Concepcion Raimundo	New York Telephone
	Conte Angelo	New York Telephone
	Daroqui Manuel A	New York Telephone
	Echevarria Jose	New York Telephone
	Griffin Helen C RN	New York Telephone
	Howe Dorothy	New York Telephone
	Perez Geo L	New York Telephone
	Sadrakula Edw A	New York Telephone
1962	Baker Agnes Mrs	New York Telephone Directory
	Conte Angelo	New York Telephone Directory
	Czyz Cecilia Mrs	New York Telephone Directory
	Dempster B W	New York Telephone Directory
	Perez Geo L	New York Telephone Directory
	Rivera Agustin	New York Telephone Directory
	Sadrakula Edw A	New York Telephone Directory
1939	Klippel Zelda	New York Telephone Company
1934	Alegrett Louise wid Peter	R. L. Polk & Co.
	Boghosian Harry Susan shipper	R. L. Polk & Co.
	Bogoshian Michl Rose shoewkr	R. L. Polk & Co.
	Casey Fredk Nettie chauf	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Cois Geo Anna harber	R. L. Polk & Co.
	Fresco Leon clk	R. L. Polk & Co.
	Kerr Ellen wid Michl	R. L. Polk & Co.
	Koustas Harry Helen pdlr	R. L. Polk & Co.
	Mateos Andrew Donita dyer	R. L. Polk & Co.
	Nitsos Jas Aglaia waiter	R. L. Polk & Co.
	Prado Jesus Emma elev opr	R. L. Polk & Co.
	Ricopoulos Edw Mary countermn	R. L. Polk & Co.
	Roura wid Cresory	R. L. Polk & Co.
	Santana Carmen Mrs	R. L. Polk & Co.
	Santiago Thos photog	R. L. Polk & Co.
	Vazquez John Frances waiter	R. L. Polk & Co.
	Werley Warren Anna auto mech	R. L. Polk & Co.

1145 44TH DR

Year	Uses	Source
1991	Package Express Substlatian	NYNEX Information Resource Company

1146 44TH DR

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Areeckal Rejee Y	Hill-Donnelly Information Services
	Beltram Besty v	Hill-Donnelly Information Services
	Numbr 14h Ortiz Aguedo AV	Hill-Donnelly Information Services
	Numbr 1 h Pichordo Jeaneth	Hill-Donnelly Information Services
	Numbr 8 h Prats Cella Ao	Hill-Donnelly Information Services
	Numbr 4 h Prats Orestes AV	Hill-Donnelly Information Services
	Viveros Inez	Hill-Donnelly Information Services
	Numbr 10 h Viveros Melba A	Hill-Donnelly Information Services
2000	Esthercila Beltran	Cole Information Services
	Rosa Gon	Cole Information Services
	Aguedo Ortiz	Cole Information Services
	Jeaneth Pichordo	Cole Information Services
	Celia Prats	Cole Information Services
	Orestes Prats	Cole Information Services
	I Ward	Cole Information Services
1991	Acevedo M R	NYNEX Information Resource Company
	Chaux Luz Estela	NYNEX Information Resource Company
	Delacruz Francisco	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Kelly Charles	NYNEX Information Resource Company
	Leon Patricia	NYNEX Information Resource Company
	Ortiz E	NYNEX Information Resource Company
	Zapa Ines	NYNEX Information Resource Company
1983	Serna Emma	New York Telephone
	Acevedo Victoria R	New York Telephone
	Acevedo M R	New York Telephone
	Alves Evanir	New York Telephone
	Ferreira Nair	New York Telephone
	Jose Marcos	New York Telephone
	Ortiz E	New York Telephone
	Rojas Feliz	New York Telephone
1976	Acevedo Esteban	New York Telephone
	Camargo Elena	New York Telephone
	Cortes Crisanto	New York Telephone
	Gonzales Isabel	New York Telephone
	Gutiere Juan	New York Telephone
	Jose Marcos	New York Telephone
1970	Amores Robt	New York Telephone
	Camargo Hector	New York Telephone
	Camargo Luis G	New York Telephone
	Diamanti Delfina	New York Telephone
	Judge Jas	New York Telephone
	Legere Chas	New York Telephone
	Mier Leyda	New York Telephone
	Ruiz Narciso	New York Telephone
	Valdes Nilda	New York Telephone
1967	Amores Robt	New York Telephone
	Diamanti Delfina	New York Telephone
	Holec Anthony	New York Telephone
	Judge Jas	New York Telephone
	Legere Chas	New York Telephone
	Ruiz Narciso	New York Telephone
	Sorell Celestino	New York Telephone
	Sweeney Timothy	New York Telephone
1962	Brown Edmund G	New York Telephone Directory
	Diamanti Delfina	New York Telephone Directory
	Holec Anthony	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Judge Jas	New York Telephone Directory
	Legere Chas	New York Telephone Directory
	Malizia Carmela Mrs	New York Telephone Directory
	Pachmann Mary Mrs	New York Telephone Directory
	Rhodes Robt	New York Telephone Directory
	Rosa Maximina Mrs	New York Telephone Directory
	Sweeney Timothy	New York Telephone Directory
	Vitulano Patk	New York Telephone Directory
	Wanchew John	New York Telephone Directory
1939	Fladd Eliz Mrs	New York Telephone Company
1934	Arabadjis Philip Valenzia coutermn	R. L. Polk & Co.
	Axiotis Harry N Anna chef	R. L. Polk & Co.
	Boulange Pauline dom	R. L. Polk & Co.
	De Lucca Henry Clara butcher Mhn	R. L. Polk & Co.
	Fotopoulos Constatine Mary pntr	R. L. Polk & Co.
	Geralis Peter Lucy lab	R. L. Polk & Co.
	Guardiano Michaelis Cath phtr	R. L. Polk & Co.
	Kledas Peter Mary waiter	R. L. Polk & Co.
	Korniaktus Gregory Martha meat ctr	R. L. Polk & Co.
	Kydes Hercules Theresa pntr	R. L. Polk & Co.
	Kydes Richd lifrguard	R. L. Polk & Co.
	Meehan Jas asmblr	R. L. Polk & Co.
	Pagliuca Jas lab	R. L. Polk & Co.
	Tahatigis Cahs Mary restr	R. L. Polk & Co.
	Toste Jos chemist	R. L. Polk & Co.
	Toulas Michl Anna pdlr	R. L. Polk & Co.

1148 44TH DR

Year	Uses	Source
2008	GIOVANNI IMPORTS EXPORTS CAR REPAIR	Cole Information Services
	GIANNIS AUTO WORLD INC	Cole Information Services
2005	Giannis Auto World Inc Is	Hill-Donnelly Information Services
2000	Giannis At Wid Inc	Cole Information Services
1991	Empire State Telecom Corp	NYNEX Information Resource Company
1983	Com Equip Corp	New York Telephone
1976	Dryden & Palmer Inc	New York Telephone
	Gravymaster Co Inc	New York Telephone
1970	Gravymaster Co Inc	New York Telephone

FINDINGS

Year	Uses	Source
1970	Dryden & Palmer Inc	New York Telephone
1967	Gravymaster Co Inc	New York Telephone
	Dryden & Palmer Inc	New York Telephone
1934	Henderson John Ella reprmn	R. L. Polk & Co.
	Serrano Danl Rose baker	R. L. Polk & Co.
	Rivelli Jas Rose shoes Bx	R. L. Polk & Co.
	Rashkoff Benj Sophie hlpr Mhn	R. L. Polk & Co.
	Noury Francis lab	R. L. Polk & Co.
	Adams Arth Anna toolmkr	R. L. Polk & Co.
	Baginski John shoe opr	R. L. Polk & Co.
	Chamberlain Walter F Alice pile driving	R. L. Polk & Co.
	Choiko Jos I Mary agt	R. L. Polk & Co.
	Costa Anna Mrs	R. L. Polk & Co.
	Damlis Gregory Angelina barber	R. L. Polk & Co.
	Damlis Olga Wid Harry	R. L. Polk & Co.
	Guzman Adolph cigars	R. L. Polk & Co.
	Long Mary A wid Chas	R. L. Polk & Co.
	Lopez Gerard Anna clnr mhn	R. L. Polk & Co.
	Meechan Carey	R. L. Polk & Co.
	Meehan Edw Mary bldg supt	R. L. Polk & Co.

1149 44TH DR

Year	Uses	Source
2005	Fifty Seventh Street Mgmt	Hill-Donnelly Information Services
	Madallion Financial Inc I F	Hill-Donnelly Information Services
2000	Fifty 7th St Mgmt	Cole Information Services
	Irene Lo	Cole Information Services
	Fifty Seventh St	Cole Information Services

1151 44TH DR

Year	Uses	Source
2005	h Cannarella M v	Hill-Donnelly Information Services
	Nicholson James	Hill-Donnelly Information Services
	h Nicholson Shan Ao	Hill-Donnelly Information Services
2000	Patrick S Mc Clone	Cole Information Services
	Shan Nicholson	Cole Information Services
	Shan Nicholson	Cole Information Services
1991	Bitterman Brooks	NYNEX Information Resource Company
	Hardin P	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Nicholson Peter	NYNEX Information Resource Company
	Schmidt Timothy	NYNEX Information Resource Company
	Davis B	NYNEX Information Resource Company
1983	Nicholson Peter & Kalina	New York Telephone
	Soto Vicente R	New York Telephone
1976	Dimensional Graphics Conec	New York Telephone
	Kress T	New York Telephone
1970	Kress T	New York Telephone
1967	Corio Dominick J	New York Telephone
	Kress T	New York Telephone
	Smith Edith	New York Telephone
1962	Corio Dominick J	New York Telephone Directory
	Malizia Mark A	New York Telephone Directory
	Mehnert Gwen	New York Telephone Directory
	Smith Edith	New York Telephone Directory
1945	Perrenod Chas	New York Telephone
1939	Mehnert Sidney	New York Telephone Company
1934	Cappelli Umbert Rose cook	R. L. Polk & Co.
	Dilbeck Eleanor sten Mhn	R. L. Polk & Co.
	Kress Arth bkpr	R. L. Polk & Co.
	Kress Evelyn sten Copeland Refrigeration Co	R. L. Polk & Co.
	Kress Theophile wid Wm	R. L. Polk & Co.
	Schaeider Edith sten	R. L. Polk & Co.
	Schaeider Frank Alida autp mech	R. L. Polk & Co.
	Schneider Raymond	R. L. Polk & Co.

1152 44TH DR

Year	Uses	Source
2013	INKKEEPERS CORP	Cole Information Services
	HYLEE ELECTRIC CO INC	Cole Information Services
2008	LONG ISLAND CITY WHOLESALE FLORISTS	Cole Information Services
	HYLEE ELECTRIC CO INC	Cole Information Services
	INK KEEPERS CORP	Cole Information Services
2005	Hylee Electric Co Inc	Hill-Donnelly Information Services
	Inkkeepers Corp	Hill-Donnelly Information Services
2000	Lite N Air Indstrs	Cole Information Services
	Swift Air Corp	Cole Information Services
1991	Long Island City Wholesale Inc	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Natural Source The	NYNEX Information Resource Company
1983	Long Island City Wholesale Florists Inc	New York Telephone
	LONG ISLAND CITY WHOLESALE INC	New York Telephone
	Long Island College Hosp Henry & Pacif @Brooklyn@	New York Telephone
	South Flower Mkt	New York Telephone
	SOUTHFLOWER MKT HOME DELIVERY SVCE	New York Telephone

1153 44TH DR

Year	Uses	Source
2005	Zemana Natlvidad AV	Hill-Donnelly Information Services
	Gonzalez Ruth A	Hill-Donnelly Information Services
	Mendoza Carmelito Jr	Hill-Donnelly Information Services
	h Schilling Wemer H AV	Hill-Donnelly Information Services
	h Zemana Gloria	Hill-Donnelly Information Services
2000	Ruth Gonzalez	Cole Information Services
	Perfecto Pizarro	Cole Information Services
	Wemer H Schilling	Cole Information Services
	Glona Zemana	Cole Information Services
	Natividad Zeman	Cole Information Services
1991	Almiranez Prajedo	NYNEX Information Resource Company
	Almiron A	NYNEX Information Resource Company
	Gonzalez Ruth	NYNEX Information Resource Company
	Schilling Werner H	NYNEX Information Resource Company
	Zemana Glazen	NYNEX Information Resource Company
	Zemana Natividad	NYNEX Information Resource Company
	Zemana Natividad	NYNEX Information Resource Company
1983	Bigarnia Mimi	New York Telephone
	De Jesus Remedios V	New York Telephone
	Gonzalez Gilberto Rojas	New York Telephone
	Gonzalez R	New York Telephone
	Schilling Werner H	New York Telephone
	Zemana G	New York Telephone
1976	Buenviaje Emmanuel D	New York Telephone
1970	Picicci William Jr	New York Telephone
1967	Ross Basil C	New York Telephone
	Tajima Shingo	New York Telephone
1945	Ross Basil C	New York Telephone
1934	Kelly Frances clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Kelly John J Margt	R. L. Polk & Co.
	Kelly Margt sten	R. L. Polk & Co.
	Kelly Stella sten	R. L. Polk & Co.
	Schuh Emily wid Wm	R. L. Polk & Co.
	Hafford Thos A asst eng B Pres	R. L. Polk & Co.

1154 44TH DR

Year	Uses	Source
1976	Hepp Jim b	New York Telephone
1970	Lesjay Co	New York Telephone
	Lesjay Models	New York Telephone
	Hepp Jim b	New York Telephone
1962	Barling Housing Corp	New York Telephone Directory
	Bo Craft Enterprises Inc	New York Telephone Directory
	Slider Co of America	New York Telephone Directory

1156 44TH DR

Year	Uses	Source
1934	Spagnulo Jos Helen barber	R. L. Polk & Co.

1157 44TH DR

Year	Uses	Source
2013	MEERA ENTERPRISE INC	Cole Information Services
2008	MEERA ENTERPRISE	Cole Information Services
2005	Meera Enterprise Inc I	Hill-Donnelly Information Services
2000	21ST ST INTS FROM	Cole Information Services
	Dipti Deli Corp	Cole Information Services
1991	Epicure Delctsn Shop	NYNEX Information Resource Company
1983	Epicure Delctsn Shop	New York Telephone
1976	Epicure Delctsn Shop	New York Telephone
1970	Epicure Delctsn Shop	New York Telephone
1967	Epicure Delctsn Shop	New York Telephone
1962	Epicure Delctsn Shop	New York Telephone Directory
1945	Epicure Delctsn Shop	New York Telephone
1939	Epicure Delctsn Shop	New York Telephone Company

1186 44TH DR

Year	Uses	Source
1934	Ruiz Juana wid Roffe	R. L. Polk & Co.

FINDINGS

1188 44TH DR

Year	*Uses*	*Source*
1934	Cera Fred Carmine mattresmkr	R. L. Polk & Co.

1234 44TH DR

Year	*Uses*	*Source*
1962	Lucente Angelo	New York Telephone Directory

1238 44TH DR

Year	*Uses*	*Source*
1991	Mason Victor	NYNEX Information Resource Company

1444 44TH DR

Year	*Uses*	*Source*
1962	Daroqui Manuel A	New York Telephone Directory

1474 44TH DR

Year	*Uses*	*Source*
1983	Egan S	New York Telephone

1626 44TH DR

Year	*Uses*	*Source*
1962	Arrigo Arthur	New York Telephone Directory

1738 44TH DR

Year	*Uses*	*Source*
2005	N CL	Hill-Donnelly Information Services

44TH DR LONG ISLAND CITY DR

1142 44TH DR LONG ISLAND CITY DR

Year	*Uses*	*Source*
1934	Bassow Saml Rev Gertrude pastor Bnal Israel	R. L. Polk & Co.

45 S AVE

1155 45 S AVE

Year	*Uses*	*Source*
1991	Barreto C	NYNEX Information Resource Company

FINDINGS

45TH

1458 45TH

Year	Uses	Source
1934	Goldstein Irving bkpr dept fin r	R. L. Polk Co.

45TH AVE

10-20 45TH AVE

Year	Uses	Source
1950	MAJESTIC MANNEQUIN & DISPLAY CO	New York Telephone
	ROLLER ENGRVNG CO INC	New York Telephone
	BOGGE EDW B	New York Telephone

10-27 45TH AVE

Year	Uses	Source
1950	MISSION DRY CORP SALES DENT	New York Telephone
	PLAZA BEVERAGE CO INC	New York Telephone
	MISSION ORANGE BOTTLING CO OF QUEENS	New York Telephone

10-35 45TH AVE

Year	Uses	Source
1950	PYROX CHEMCL CORP PAINT&VARNSH REMOVERS MFRS	New York Telephone
	CYCLO CHEMCL CORP	New York Telephone
	O & R SALES CO INC	New York Telephone

10-37 45TH AVE

Year	Uses	Source
1950	F B CASING CO	New York Telephone
	SUPERIOR KOSHER CASING CO	New York Telephone

10-40 45TH AVE

Year	Uses	Source
1950	JEWEL RADIO CORP	New York Telephone
	VANLEIGH FURN CO INC WAREHSE	New York Telephone

10-57 45TH AVE

Year	Uses	Source
1950	ATLAS PIPE RAILING CO INC	New York Telephone

FINDINGS

1015 45TH AVE

Year	Uses	Source
2013	SOHO SNACK INC	Cole Information Services
	METERING SERVICES	Cole Information Services
2008	SOHO SNACK INC	Cole Information Services
2005	Soho Snack Inc	Hill-Donnelly Information Services
2000	Metering Services	Cole Information Services

1021 45TH AVE

Year	Uses	Source
2013	CERTIFIED ELEVATOR & ESCALTOR	Cole Information Services
	D A A B S ELECTRONICS CORPORATION	Cole Information Services
2008	DAABS ELECTRONICS INC	Cole Information Services
2005	Daabs Electronics Corp	Hill-Donnelly Information Services
2000	S Elctrncs	Cole Information Services
1983	Numano Int Inc	New York Telephone

1025 45TH AVE

Year	Uses	Source
2008	PORT DISTRIBUTING CORP	Cole Information Services
1939	New & Used Equip Corp	New York Telephone Company

1027 45TH AVE

Year	Uses	Source
1991	K & K MERCHANDISING GROUP	NYNEX Information Resource Company
	Supra USA Inc	NYNEX Information Resource Company
1983	Fauna Food Corp	New York Telephone
	Interscan Ltd	New York Telephone

1028 45TH AVE

Year	Uses	Source
1970	Marrero Antonia P	New York Telephone

1034 45TH AVE

Year	Uses	Source
1976	Brewers Leasing Corp	New York Telephone
1970	Brewers Leasing Corp	New York Telephone

1035 45TH AVE

Year	Uses	Source
2013	WAREHOUSE SUPPLIES COMPANY	Cole Information Services

FINDINGS

Year	Uses	Source
2008	VAN OWNERS PURCHASING BUREAU	Cole Information Services
	WAREHO UPPLIES CO INC	Cole Information Services
2005	Van Owners Purchasing Bureau	Hill-Donnelly Information Services
	Warehouse Supis Co	Hill-Donnelly Information Services
2000	Van Owners Prchng	Cole Information Services
	Vnwnrs Prchng Bur	Cole Information Services
	Warehouse Supls	Cole Information Services
1991	VAN OWNERS PURCHASING BUR INC	NYNEX Information Resource Company
	Vanowners Purchasing Bur Inc	NYNEX Information Resource Company
	Warehouse Supls Co	NYNEX Information Resource Company
1983	VAN OWNERS PURCHASING BUR INC	New York Telephone
	Vanowners Purchasing Bur Inc	New York Telephone
	Warehouse Supls Co	New York Telephone
1970	Van Owners Purchasing Bur Inc	New York Telephone
	Warehouse Supls Co	New York Telephone
1967	Van Owners Purchasing Bur Inc	New York Telephone
	Warehouse Supls Co	New York Telephone
1962	Van Owners Purchasing Bur Inc	New York Telephone Directory
	Warehouse Supls Co	New York Telephone Directory
1945	Premier Prods Co mfg chemsts	New York Telephone
	O & R Sales Co Inc	New York Telephone
	Armo Bio Chemcl Corp	New York Telephone
1939	Premier Prods Co mfg chemsts	New York Telephone Company
	Pyrox Chemcl Corp mfg chemsts	New York Telephone Company
	Thrift Sales Corp	New York Telephone Company
1934	Metropolitan Sign & Glass Works RTN Henry Steinmetz Fredk Festner	R. L. Polk & Co.

1037 45TH AVE

Year	Uses	Source
1967	Walcamp Metal Prods Corp	New York Telephone
1962	Superior Kosher Casings	New York Telephone Directory
	FB Casing Co Inc	New York Telephone Directory
1945	Superior Kosher Casing Co	New York Telephone
	F B Caesing Co	New York Telephone
1939	Superior Kosher Casing Co	New York Telephone Company
	F B Casing Co	New York Telephone Company

FINDINGS

1038 45TH AVE

Year	Uses	Source
2000	Rayston Svce Corp	Cole Information Services
1976	Continental Ideas Ltd	New York Telephone
	CONTINENTAL INSURANCE COMPANIES THE JFK Intrntnl Airpt @Jamaica@	New York Telephone
	CONTINENTAL INSURANCE COMPANIES THE La Guardia Airpt @Jamaica@	New York Telephone
1970	Holterbosch H D b	New York Telephone

1040 45TH AVE

Year	Uses	Source
2013	ALRUE IMPORT CORP	Cole Information Services
	END JEWELRY	Cole Information Services
	EMSIG	Cole Information Services
	MIDTOWN NEON SIGN CORP	Cole Information Services
	CLASSIC GEMS INCORPORATED	Cole Information Services
	AVISPL	Cole Information Services
	WHOLESALE INC RISUKA	Cole Information Services
	JENMAR CORPORATION	Cole Information Services
	IPT NAME & DESIGN CORP	Cole Information Services
	RHONDA FEINMAN CUSTOM FRAMES INC	Cole Information Services
2008	ALRUE IMPORT CORP	Cole Information Services
	EMSIG	Cole Information Services
	ACME WEBBING CORP	Cole Information Services
	CLASSIC GEMS INC	Cole Information Services
	RHONDA FEINMAN CUSTOM FRAMES INC	Cole Information Services
	EMSIG MANUFACTURING CORP	Cole Information Services
	THE JOAN MICHLIN COLLECTION	Cole Information Services
	RENCO MFG INC	Cole Information Services
2005	h Rodriguez Purino	Hill-Donnelly Information Services
	Alrue Import Corp	Hill-Donnelly Information Services
	Emsig is	Hill-Donnelly Information Services
	Gladston Casting	Hill-Donnelly Information Services
	Maxim Holding i	Hill-Donnelly Information Services
	Rhonda Feinman Custom Frames	Hill-Donnelly Information Services
	Risuka Wholesale Inc	Hill-Donnelly Information Services
2000	ABC Jwlry Cast Crp	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Ace For Men	Cole Information Services
	Bnfcl Tchnlgs Inc	Cole Information Services
	Cntnatl Flair Inc	Cole Information Services
	Frooz Ltd	Cole Information Services
	Gladston Ca	Cole Information Services
	Joshuas Fa	Cole Information Services
	Palazzetti	Cole Information Services
	Plzztt Srg Furn	Cole Information Services
	State Nrrw	Cole Information Services
1991	ABC Jewelry Casting Corp	NYNEX Information Resource Company
	Beneficial Technologies Inc	NYNEX Information Resource Company
	Colini Handbags	NYNEX Information Resource Company
	Continental Flair Inc	NYNEX Information Resource Company
	Continental Florist Contnntl Av & Queens Blvd @Forest Hills@	NYNEX Information Resource Company
	Gladston Casting	NYNEX Information Resource Company
	Jennifers Fashion	NYNEX Information Resource Company
	Palazetti Sergio	NYNEX Information Resource Company
1983	Cardinal Blouse Inc	New York Telephone
	Carpi Knitting Mills Inc	New York Telephone
	Nor Jam Inc	New York Telephone
	Nordic Interior Inc	New York Telephone
	Peppermint Casuals Ltd	New York Telephone
1976	Carpi Knitting Mills Inc	New York Telephone
	Mainco Air Condltioning & Refrlgratn Corp	New York Telephone
	Mainco Contrctg Corp elec contrs	New York Telephone
	MAINTENANCE CO INC THE elect & elvtr reprs	New York Telephone
1970	FAIRCHILD RECORDING EQUIP CORP	New York Telephone
	Front Projection Corp	New York Telephone
	Mainca Air Conditioning & Refrigratn Corp	New York Telephone
	Mainco Contrctg Corp eltccontrs	New York Telephone
	Maintenance Coinc The elec & elvtr reprs	New York Telephone
1967	Fairchild Recording Equip Corp	New York Telephone
	Genl Automotive Specialty Colnc	New York Telephone
	Mainco Air Conditioning & Refrigratn Corp	New York Telephone
	Mainco Contrctg Corp elec contrs	New York Telephone
	Maintenance Co Inc The elec & elvtr reprs	New York Telephone
1962	FAIRCHILD RECORDING EQUIP CORP	New York Telephone Directory

Year	Uses	Source
1962	Genl Automotive Specialty Co Inc	New York Telephone Directory
	MAINCO AIR CONDITINING & REFRISRATN CORP	New York Telephone Directory
	MAINCO CONTROTG CORP elec contrs	New York Telephone Directory
	MAINTENANCE CO INC THE elec & elctr reprs	New York Telephone Directory
	Small Business Protctve Comm Inc	New York Telephone Directory

1041 45TH AVE

Year	Uses	Source
2013	CITY BAKING CORP	Cole Information Services
2008	WHOLESALE INC RISUKA	Cole Information Services
	MERCEDES LIMOUSINE	Cole Information Services
	E A TECHNOLOGIES INC	Cole Information Services
2005	MLS Limousine Svc	Hill-Donnelly Information Services
	Mercedes Limousine	Hill-Donnelly Information Services
	E A Technologies Inc P	Hill-Donnelly Information Services
2000	Mercedes Limousine	Cole Information Services
	11TH ST INTS FROM	Cole Information Services
1991	Rayston Svce Corp	NYNEX Information Resource Company
1983	Campaniello Imports Warehouse	New York Telephone
1945	Weinberger Moving & Storage Co	New York Telephone
	Lemel Transptn Do	New York Telephone
1939	Rothbart Mack Inc trukng	New York Telephone Company
	Rothbart Mack inc trukng	New York Telephone Company
	Rothbart Mack Inc contrs	New York Telephone Company

1048 45TH AVE

Year	Uses	Source
1991	State Narrow Fabrics Inc	NYNEX Information Resource Company

1057 45TH AVE

Year	Uses	Source
1945	Atlas Pipe Railing Co Inc	New York Telephone

11-15 45TH AVE

Year	Uses	Source
1950	SCHOENIG CHAS A	New York Telephone
	SISTO MARIO P	New York Telephone
	VIERA DEOGRACIA S	New York Telephone
	WELCH MERTON W	New York Telephone

FINDINGS

Year	Uses	Source
1950	WENIGER PAULA B	New York Telephone
	WOLF P J	New York Telephone
	ROSNER BERTHA MRS	New York Telephone
	PAPPAS WM S	New York Telephone
	OWEN THOS H JR	New York Telephone
	OSTERER MAX	New York Telephone
	NEWCOMB N E	New York Telephone
	MCCULLOUGH BENJ	New York Telephone
	MALRE EMLIE L	New York Telephone
	LIPPMAN ALBERT	New York Telephone
	LAS MORRIS	New York Telephone
	LA FLEUR WM JOHN	New York Telephone
	HOFDOS CHAS J	New York Telephone
	HAWK LESTER C	New York Telephone
	FRIEDMA JESSE D MD	New York Telephone
	CARUSO SALVATORE	New York Telephone
	BUTTERFIELD HELEN	New York Telephone
	ZWERIN CHAS	New York Telephone
	BENNETT WILBERT C	New York Telephone
	AMBROSE JOSEPHINE	New York Telephone
	APTS & APT HOUSES	New York Telephone
	BOEDA MARGARET MRS	New York Telephone

11-25 45TH AVE

Year	Uses	Source
1950	STEWART-WARNER CORP	New York Telephone
	ALEMITE CORP	New York Telephone

11-30 45TH AVE

Year	Uses	Source
1950	DUBIED MACHY CO	New York Telephone

11-35 45TH AVE

Year	Uses	Source
1950	SATTLEY CO COIN COUNTING MACHS	New York Telephone

11-47 45TH AVE

Year	Uses	Source
1950	SCHNEIDER JULIA	New York Telephone
	VESELY FRANK	New York Telephone

FINDINGS

Year	Uses	Source
1950	BEDELL CHAS	New York Telephone
	CELMER STANLEY L	New York Telephone
	JAMES NANCY MRS	New York Telephone
	MANDURAKES LUCY	New York Telephone

11-55 45TH AVE

Year	Uses	Source
1950	RESTIVO SALVATORE J	New York Telephone
	R	New York Telephone
	NORTH FLORENCE M	New York Telephone
	MONTALBANO VINCENT	New York Telephone
	MILLER MATTHEW G	New York Telephone
	MAYER MADELINE A MRS	New York Telephone
	LOMBARDI MAY MRS	New York Telephone
	LEAHY WM F	New York Telephone
	LAZACKA MARY	New York Telephone
	LA BATE KATHERINE	New York Telephone
	KUDLAK JOHN	New York Telephone
	JULIANO MICHL J	New York Telephone
	GASTON ISABEL THERESA	New York Telephone
	CHELINI ORLANDO	New York Telephone
	WELLAND CHAS J	New York Telephone
	SPACCAFORNO C	New York Telephone
	STUONO JOHN F	New York Telephone

1103 45TH AVE

Year	Uses	Source
2008	DORSKY GALLERY CURATORIAL PROGRAMS	Cole Information Services
2005	Kings Point Fine Arts	Hill-Donnelly Information Services
	Dorsky Gallery Curatorial	Hill-Donnelly Information Services
2000	Cel Net Cmmnctns	Cole Information Services
1976	Arbeach Concrete Of N Y Inc	New York Telephone
	LITEMORE ELEC CO INC	New York Telephone

1114 45TH AVE

Year	Uses	Source
1934	OBrien Michl Mary br mgr Thos Roulston	R. L. Polk & Co.

FINDINGS

1115 45TH AVE

Year	*Uses*	*Source*
2008	RONCHINI RONCHINI INC	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 11 Bh Atldnson D	Hill-Donnelly Information Services
	Numbr 2D h Caruso Salvatore o	Hill-Donnelly Information Services
	Curlol Celine	Hill-Donnelly Information Services
	Numbr 2 Eh Evans M v	Hill-Donnelly Information Services
	Numbr 33 h Friedberg J v	Hill-Donnelly Information Services
	h Garvey Potvin Sarah v	Hill-Donnelly Information Services
	Garvey Potvin Sarah 0 718 361 7597 o	Hill-Donnelly Information Services
	Numbr 2 C th Geller A A	Hill-Donnelly Information Services
	Numbr 1 E Johnson Lee 718 476 1869 a	Hill-Donnelly Information Services
	Kittredge Skip	Hill-Donnelly Information Services
	Numbr 2 G Mccarthy Terence	Hill-Donnelly Information Services
	Numbr 1D Morales Ivan	Hill-Donnelly Information Services
	Numbr 4 A Pedigol v	Hill-Donnelly Information Services
	Numbr 23 Pendergast George Sr v	Hill-Donnelly Information Services
	Numbr 21 Ryan Sean	Hill-Donnelly Information Services
	Numbr 4D Schoenig Charles A AO	Hill-Donnelly Information Services
	Numbr 3 E Slerra Carios v 718 472 4151 00oo	Hill-Donnelly Information Services
	Numbr 4 H Swanson Leonard J v	Hill-Donnelly Information Services
	Urban Interiors Is	Hill-Donnelly Information Services
	Numbr 2 H Vesely Francis J A 718 361 7686 as	Hill-Donnelly Information Services
	Numbr 41 Warren William	Hill-Donnelly Information Services
	Numbr 3D 1 h Welsman Roger	Hill-Donnelly Information Services
2000	Laszlo Aradi	Cole Information Services
	Faisol Islam	Cole Information Services
1991	Fekete Matthew	NYNEX Information Resource Company
	Galvin F	NYNEX Information Resource Company
	Geller A	NYNEX Information Resource Company
	Kelly John J	NYNEX Information Resource Company
	Lewis Lock & Key Ltd	NYNEX Information Resource Company
	Marsanico Mary	NYNEX Information Resource Company
	Marsanico Thomas R	NYNEX Information Resource Company
	Mc Kenna Robt	NYNEX Information Resource Company
	Pavlov C	NYNEX Information Resource Company
	Schoenig Chas A	NYNEX Information Resource Company

FINDINGS

Year	*Uses*	*Source*
1991	Serrano Nick	NYNEX Information Resource Company
	Sisto Mario P	NYNEX Information Resource Company
	Souquet Andre	NYNEX Information Resource Company
	Thorner L	NYNEX Information Resource Company
	Vesely Francis J	NYNEX Information Resource Company
	Vukelj Bajram	NYNEX Information Resource Company
	Albolote Ricardo	NYNEX Information Resource Company
	Behrens Henry	NYNEX Information Resource Company
	Bothnerby Pete	NYNEX Information Resource Company
	Caruso Salvatore	NYNEX Information Resource Company
	Daniello Anthony J	NYNEX Information Resource Company
	Delrosario Rachel	NYNEX Information Resource Company
	Dries Raymond	NYNEX Information Resource Company
	Evans M	NYNEX Information Resource Company
	Weider J H	NYNEX Information Resource Company
1983	Ahmen Kamal U	New York Telephone
	Behrens Henry	New York Telephone
	Caruso Salvatore	New York Telephone
	Casey R M	New York Telephone
	Daniello Anthony J	New York Telephone
	Evans M	New York Telephone
	Fekete Matthew	New York Telephone
	Geller A	New York Telephone
	Henehan M	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Koo Brian M	New York Telephone
	Magnusson J	New York Telephone
	Mc Kenna Robt	New York Telephone
	Medeiros Sergio	New York Telephone
	Schoenig Chas A	New York Telephone
	Serrano Nick	New York Telephone
	Sisto Mario P	New York Telephone
	Souquet Andre	New York Telephone
	Wasenda John	New York Telephone
1976	Acebes Lucien	New York Telephone
	Adam Jas	New York Telephone
	Bartunek R	New York Telephone

FINDINGS

Year	Uses	Source
1976	Behrens Bertha	New York Telephone
	Caruso Salvatore	New York Telephone
	Costello Jas R	New York Telephone
	Daniello Anthony J	New York Telephone
	Donohue Mary A Mrs	New York Telephone
	Evans Thos	New York Telephone
	Fekete Matthew	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
1970	Sisto Mario P	New York Telephone
	Wallace R	New York Telephone
	Wasenda John	New York Telephone
	Acebes Lucien	New York Telephone
	Adam Jas	New York Telephone
	Behrens Bertha	New York Telephone
	Buondelmonte J Mrs	New York Telephone
	Caruso Salvatore	New York Telephone
	Daniello Anthony J	New York Telephone
	DePalo Rocco	New York Telephone
	Fekete Matthew	New York Telephone
	Gozzi John	New York Telephone
	Hawk Lester C	New York Telephone
	Hyman Morris	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
	Marsanico Mary	New York Telephone
	McKenna Anne F Mrs	New York Telephone
	McKenna Robt	New York Telephone
	Morano Frank	New York Telephone
	Nicolich Angello	New York Telephone
	Oddo Lewis J	New York Telephone
	Polachek Mary	New York Telephone
	Schoenig Chas A	New York Telephone
	Sergio Edmund P	New York Telephone
	Serrano Nick	New York Telephone
1967	Maffei Robt	New York Telephone

FINDINGS

Year	Uses	Source
1967	Marsanico Mary	New York Telephone
	McCullough Benj	New York Telephone
	Morano Frank	New York Telephone
	Newcomb N E	New York Telephone
	Polachek Mary	New York Telephone
	Schoenig Chas A	New York Telephone
	Sergio Edmund F	New York Telephone
	Serrano Nick	New York Telephone
	Sisto Mario P	New York Telephone
	Acebes Luclen	New York Telephone
	Adam Jas	New York Telephone
	Behrens Bertha	New York Telephone
	Buondelmonte J Mrs	New York Telephone
	Caruso Salvatore	New York Telephone
	Cunningham Mary	New York Telephone
	Daniello Anthony J	New York Telephone
	DePalo Rocco	New York Telephone
	Evans Thos	New York Telephone
	Fekete Matthew	New York Telephone
	Garafalo Michl R	New York Telephone
	Hawk Lester C	New York Telephone
	Hyman Morris	New York Telephone
	Kelly John J	New York Telephone
	Klimovich Fred	New York Telephone
	Lake Arvo Mrs	New York Telephone
1962	Acebes Lucien	New York Telephone Directory
	Behrens Henry	New York Telephone Directory
	Boeda Margaret Mrs	New York Telephone Directory
	Bolash P	New York Telephone Directory
	Borg Theresa Mrs	New York Telephone Directory
	Buondelmonte J Mrs	New York Telephone Directory
	Caruso Salvatore	New York Telephone Directory
	Daniello Anthony J	New York Telephone Directory
	DeQuatro Francis R	New York Telephone Directory
	Evans Thos	New York Telephone Directory
	Fekete Matthew	New York Telephone Directory
	Friedman Jesse D MD	New York Telephone Directory
	Garafalo Michl R	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Hawk Lester C	New York Telephone Directory
	Hyman Morris	New York Telephone Directory
	Hyman Morris	New York Telephone Directory
	Kelly John J	New York Telephone Directory
	Klimovich Fred	New York Telephone Directory
	Lass Morris	New York Telephone Directory
	Lippman Albert	New York Telephone Directory
	Marsanico Mary Mrs	New York Telephone Directory
	May R N	New York Telephone Directory
	McCullough Benj	New York Telephone Directory
	Moraro Frank	New York Telephone Directory
	Newcomb NE	New York Telephone Directory
	Polachek Mary	New York Telephone Directory
	Schoenig Chas A	New York Telephone Directory
	Sergio Edmund F	New York Telephone Directory
	Serrano Nick	New York Telephone Directory
	Sisto Mario P	New York Telephone Directory
	Stroligo Edw	New York Telephone Directory
	Tuttle Howard A	New York Telephone Directory
	Wolf P J	New York Telephone Directory
1945	Ambrose Josephine	New York Telephone
	Boeda Margaret Mrs	New York Telephone
	Butterfield Helen	New York Telephone
	Cardone Mary Mrs	New York Telephone
	Friedman Jesse D MD F	New York Telephone
	Hawk Lester C	New York Telephone
	Lodato Angie Mrs	New York Telephone
	Ward Helen Mrs	New York Telephone
	Wolf P J	New York Telephone
1939	Boeda Margaret Mrs	New York Telephone Company
	Butterfield Helen	New York Telephone Company
	Friedman Jesse D MD	New York Telephone Company
	Morris Jimmiy	New York Telephone Company
1934	Austerlitz Victor Ellen slsmn	R. L. Polk & Co.
	Behrens Henry Bertha chauf	R. L. Polk & Co.
	Boeda Harry Margt bldg supt	R. L. Polk & Co.
	Bruns Wm Eleanor brkmn	R. L. Polk & Co.
	Cooney Geo Cath clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Ehmer Walter Ehmer chauf	R. L. Polk & Co.
	Epstein Geo pharm	R. L. Polk & Co.
	Feldman Max Sadie metalwkr	R. L. Polk & Co.
	Flanagan Jos Ella splicer	R. L. Polk & Co.
	Fontana Thelma B tel opr	R. L. Polk & Co.
	Fontana Vincent typist	R. L. Polk & Co.
	Gibbons Irene G copyist Dist Atty Queens Co	R. L. Polk & Co.
	Gilbert Cath cap opr	R. L. Polk & Co.
	Gilbert John Harriet wtchmn	R. L. Polk & Co.
	Grant Edw Irene clk	R. L. Polk & Co.
	Leeser Anna wid Saml	R. L. Polk & Co.
	Liptak John Grace auto mech	R. L. Polk & Co.
	Melia John Margt clk	R. L. Polk & Co.
	Moore Dowanda Wid Jos cap opr	R. L. Polk & Co.
	Schoenig Chas Pauline auto mech	R. L. Polk & Co.
	Shannon Jos Lillian eng	R. L. Polk & Co.
	Shine John Nellie firemn	R. L. Polk & Co.
	Simek Rose wid Harry	R. L. Polk & Co.
	Wallace Geo Cath chauf	R. L. Polk & Co.
	Alderman Eug Beatrice printer	R. L. Polk & Co.

1122 45TH AVE

Year	Uses	Source
2013	SHINE ELECTRONICS INC	Cole Information Services

1124 45TH AVE

Year	Uses	Source
1962	Ignelzi Roy R	New York Telephone Directory

1125 45TH AVE

Year	Uses	Source
2013	LLC SHUSTER MANAGEME LLC	Cole Information Services
2005	Kasper & Esh Inc	Hill-Donnelly Information Services
2000	Kaspar & Esh Inc	Cole Information Services
1991	Kasper & Esh Inc mfg jwlrs	NYNEX Information Resource Company
1983	Famor Inc	New York Telephone
1970	Goodnor Const Corp	New York Telephone
	Albert Ergas Contrctg Corp	New York Telephone
	Arlen Operating Co	New York Telephone

FINDINGS

Year	Uses	Source
1967	ALEMITE CORP	New York Telephone
	Alemo Lid Gilpn Av Haupaug	New York Telephone
1962	ALEMITE CORP	New York Telephone Directory
1934	Martino Amedeo Adeline tailor	R. L. Polk & Co.

1135 45TH AVE

Year	Uses	Source
2013	THIKANA	Cole Information Services
2008	THE NEW YORK BAGEL CO INC	Cole Information Services
	PROMETHEUS INTERNATIONAL INC	Cole Information Services
	THIKANA NEWSPAPERS	Cole Information Services
	THIKANA	Cole Information Services
2005	Thlkana DGN Newspapers	Hill-Donnelly Information Services
	New York Bagel Co 1 R	Hill-Donnelly Information Services
	Prometheus International Inc	Hill-Donnelly Information Services
2000	The New York BGL Co Inc	Cole Information Services
	Thikan	Cole Information Services
1991	Expediters Of The Printed Word Ltd	NYNEX Information Resource Company
1983	Expediters Of The Printed Word Ltd	New York Telephone
	Expediters Of The Printed Word Ltd	New York Telephone
1976	Air And Sea Freight Inc	New York Telephone
	Air And Sea Freight Inc	New York Telephone
1970	Sattler Co of NY Inc coin counting machs	New York Telephone
1967	Sattley Co of NY Inc coin counting machs	New York Telephone
1962	Sattley Co of NY Inc coln counting machs	New York Telephone Directory

1143 45TH AVE

Year	Uses	Source
2005	Mollendo Equipment Co	Hill-Donnelly Information Services
2000	Milnd Equip Co Inc	Cole Information Services
1991	MOLLENDO EQUIPT CO INC	NYNEX Information Resource Company
1983	Arrow Restoration Inc	New York Telephone
1970	SCHRECKINGER EQUIP CORP	New York Telephone
1967	SCHRECKINGER EQUIP CORP	New York Telephone
1962	Propper Martin b	New York Telephone Directory
	Demonstration Sales Co	New York Telephone Directory
	Neudell Mort b	New York Telephone Directory

FINDINGS

1147 45TH AVE

Year	*Uses*	*Source*
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 6 h Constantino Carina y	Hill-Donnelly Information Services
	De Prophetis Mary Anne	Hill-Donnelly Information Services
	Numbr 13 Foumier Urania A	Hill-Donnelly Information Services
	Numbr 14 h Jimenez M o	Hill-Donnelly Information Services
	Numbr 10 h Kimbrough Mary Anne & Frank	Hill-Donnelly Information Services
	Numbr 7 h Ortiz Dannis AO 718 786 0327 s	Hill-Donnelly Information Services
	Ortiz M	Hill-Donnelly Information Services
	Ramlrez Efrain	Hill-Donnelly Information Services
	Numbr 15 Sema Alexander	Hill-Donnelly Information Services
	Numbr 11 h Suarez Amparo AV	Hill-Donnelly Information Services
	Numbr 16 h Woodason Nithaya Av	Hill-Donnelly Information Services
2000	Apartments Brittany Allen	Cole Information Services
	Canna Constantino	Cole Information Services
	De Prophetis	Cole Information Services
	Donald Flores	Cole Information Services
	Urania Fournier	Cole Information Services
	Victor E Giraldo	Cole Information Services
1996	FOURNIER Urzato	NYNEX
1991	Natale Margaret A	NYNEX Information Resource Company
	Caneiro Jose	NYNEX Information Resource Company
	De Prophetis Mary Anne	NYNEX Information Resource Company
	Fournier Urania	NYNEX Information Resource Company
	Fournier Urania	NYNEX Information Resource Company
	Giraldo V R	NYNEX Information Resource Company
	Kimbrough Mary Anne & Frank	NYNEX Information Resource Company
	Ortiz D	NYNEX Information Resource Company
	Ortiz M	NYNEX Information Resource Company
	Suarez Severino	NYNEX Information Resource Company
	Woodason Nithaya	NYNEX Information Resource Company
	Ynoa Jorge	NYNEX Information Resource Company
1983	Kaewbang Kawee	New York Telephone
	Lindner Lawrence	New York Telephone
	Natale Margaret A	New York Telephone
	Ortiz D	New York Telephone
	Ortiz M	New York Telephone

FINDINGS

Year	*Uses*	*Source*
1983	Rodriguez Mario	New York Telephone
	Sanchez A	New York Telephone
	Schneider J	New York Telephone
	Caneiro Jose	New York Telephone
	Giraldo V R	New York Telephone
	Fournier Urania	New York Telephone
1976	Alvarez Alberto	New York Telephone
	Caneiro Jose	New York Telephone
	Celmer Stanley L	New York Telephone
	Gonzalez Hector	New York Telephone
1970	Bedell Chas	New York Telephone
	Celmer Stanley L	New York Telephone
	Gell Elena S Mrs	New York Telephone
	Hannel Eliz M	New York Telephone
	Molitor Nik	New York Telephone
	Natale Margaret A	New York Telephone
	Santana Tomas	New York Telephone
	Schneider Julia	New York Telephone
	Pens Urania	New York Telephone
1967	Almash Nicholas	New York Telephone
	Bedell Chas	New York Telephone
	Blaho Stephan	New York Telephone
	Celmer Stanley L	New York Telephone
	Hannel Eliz Al	New York Telephone
	Lugo Irene	New York Telephone
	Molitor Nik	New York Telephone
	Natale Margaret A	New York Telephone
	Schneider Julia	New York Telephone
1962	Almash Nicholas	New York Telephone Directory
	Bedell Chas	New York Telephone Directory
	Beringer Henriette	New York Telephone Directory
	DiTommaso Mary G	New York Telephone Directory
	Getchell Ralph H	New York Telephone Directory
	Hannel Eliz M	New York Telephone Directory
	Molitor Nik	New York Telephone Directory
	Schneider Julia	New York Telephone Directory
1945	Bedell Chas	New York Telephone
	Eagan Eugene F	New York Telephone

FINDINGS

Year	Uses	Source
1945	Schneider Jos	New York Telephone
	Tomlinson Lawrence Jr	New York Telephone
1934	Bedell Chas Jenny chauf	R. L. Polk & Co.
	Brown Thos Frances lab	R. L. Polk & Co.
	Brown Vera waitress	R. L. Polk & Co.
	Clemensen Jos May lab	R. L. Polk & Co.
	Dietrich Alf Hedgwick baker	R. L. Polk & Co.
	Klein DAvid Dora clk	R. L. Polk & Co.
	Kotish John Kuni routemn	R. L. Polk & Co.
	Nelson Sigurd Margt mech	R. L. Polk & Co.
	OConnor Julia clk	R. L. Polk & Co.
	Pask Stanley J Beatrice camera opr	R. L. Polk & Co.
	Taylor Clarence Gerace barge capt	R. L. Polk & Co.
	Vasata Wm Agnes	R. L. Polk & Co.
	Vasata Wm lab	R. L. Polk & Co.
	Winkler John Nellie slsmn	R. L. Polk & Co.

1155 45TH AVE

Year	Uses	Source
2013	HUNTERS PLUMBING & HEATING	Cole Information Services
	JOY GOURMET INC	Cole Information Services
2005	Continued	Hill-Donnelly Information Services
	Deli 1 R	Hill-Donnelly Information Services
	Angel Yehuda v	Hill-Donnelly Information Services
	Numbr 11 h Campbell William P A	Hill-Donnelly Information Services
	Numbr 4h Friedli Roger 7718 784 5995 s	Hill-Donnelly Information Services
	Numbr 11 h German Christopher	Hill-Donnelly Information Services
	Numbr 2 h Juliano Ann AV	Hill-Donnelly Information Services
	h Karas M	Hill-Donnelly Information Services
	Numbr 24 h Kelly Robert	Hill-Donnelly Information Services
	Numbr 8 Martin Wesley	Hill-Donnelly Information Services
	Numbr 5 Mcfarlane Alexander	Hill-Donnelly Information Services
	Mejia John	Hill-Donnelly Information Services
	Numbr 26 Mootz Harald G	Hill-Donnelly Information Services
	Numbr 23 North Kenneth A	Hill-Donnelly Information Services
	Numbr 13 h Perez Luis Angel A	Hill-Donnelly Information Services
	Numbr 8 h Rieger Emily	Hill-Donnelly Information Services
	Numbr 6 h R 1 B BA	Hill-Donnelly Information Services
	Numbr 27 h Stormer H & 0 AV	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Viana Luls v	Hill-Donnelly Information Services
	Numbr 22 White Philomena & Robert	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
2000	Michael Amaral	Cole Information Services
1996	FRIEDLI Roger	NYNEX
1991	Campbell Wm P	NYNEX Information Resource Company
	Caneiro Jose	NYNEX Information Resource Company
	Christie Arthur	NYNEX Information Resource Company
	Holmes S	NYNEX Information Resource Company
	Juliano Michl J	NYNEX Information Resource Company
	Kendus Ann	NYNEX Information Resource Company
	Mayer Madeline A Mrs	NYNEX Information Resource Company
	Mayer William	NYNEX Information Resource Company
	Mech Paul	NYNEX Information Resource Company
	North Florence M	NYNEX Information Resource Company
	North Kenneth	NYNEX Information Resource Company
	Perez Luis Angel	NYNEX Information Resource Company
	Smiri Joseph	NYNEX Information Resource Company
1983	Barreto L	New York Telephone
	Budhu Gewan	New York Telephone
	Campbell Wm P	New York Telephone
	Comunale J	New York Telephone
	Dinkgreve H	New York Telephone
	Donohue Wm E	New York Telephone
	Duda L M	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	Mercurio Joseph	New York Telephone
	Montalvo F	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone
	Roman C M	New York Telephone
1976	Blethroad James K	New York Telephone
	Campbell Wm P	New York Telephone
	Caneiro Jose	New York Telephone
	Chelini Orlando	New York Telephone
	Comunale J	New York Telephone

FINDINGS

Year	Uses	Source
1976	Donohue Wm E	New York Telephone
	Evans Herman	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	La Bate K	New York Telephone
	Leahy Wm F	New York Telephone
1970	Campbell Wm P	New York Telephone
	Comunale Josephine Mrs	New York Telephone
	Donohue Wm E	New York Telephone
	Evans Herman	New York Telephone
	Gasper Jos	New York Telephone
	Juliano Michl J	New York Telephone
	LaBate Katherine	New York Telephone
	Leahy Wm F	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone
	Rensch R P	New York Telephone
	Schultz Edw	New York Telephone
1967	Campbell Wm P	New York Telephone
	Chelini Orlando	New York Telephone
	Comunale Josephine Mrs	New York Telephone
	Crawford Helge	New York Telephone
	Donohue Wm E	New York Telephone
	Gasper Jos	New York Telephone
	Grande Jos P	New York Telephone
	Juliano Michl J	New York Telephone
	LaBate Katherine	New York Telephone
	Leahy Wm F	New York Telephone
	Mahoney Wm	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	McGuinness John J	New York Telephone
	North Florence M	New York Telephone
	North Kenneth	New York Telephone
	Rensch R P	New York Telephone
	Spaccaforno Victor	New York Telephone
1962	Campbell Wm P	New York Telephone Directory
	Clielini Orlando	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Donohue Wm E	New York Telephone Directory
	Gasper Jos	New York Telephone Directory
	Gaston Isabel Theresa	New York Telephone Directory
	Guilmette Arthur C	New York Telephone Directory
	Juliano Frank	New York Telephone Directory
	Juliano Michl J	New York Telephone Directory
	LaBate Katherine	New York Telephone Directory
	Leahy Wm F	New York Telephone Directory
	Maher Geo	New York Telephone Directory
	Mayer Madeline A Mrs	New York Telephone Directory
	North Florence M	New York Telephone Directory
	Reid Ernest O	New York Telephone Directory
	Rodriguez C	New York Telephone Directory
	Schorr Howard	New York Telephone Directory
	Silverman Abe	New York Telephone Directory
	Spaccaforno C	New York Telephone Directory
	Wallace M C	New York Telephone Directory
	Lawrence Jas	New York Telephone Directory
1945	Hartley Sue Mrs	New York Telephone
	Lazacka Mary	New York Telephone
	Lombardi May Mrs	New York Telephone
	Maple Coal & Coke Co	New York Telephone
	Mayer Madeline A Mrs	New York Telephone
	Spaccaforno C	New York Telephone
1939	Flanagan Nellie Mrs	New York Telephone Company
	Kudlak Fred	New York Telephone Company
	Lazacka Mary	New York Telephone Company
	Lombardi May Mrs	New York Telephone Company
	Mayer Madeline A Mrs	New York Telephone Company
	Mc Guiness C L	New York Telephone Company
1934	Brinkman Henry Margt slsmn	R. L. Polk & Co.
	Brown Chas Mary	R. L. Polk & Co.
	Carlsen Bernard Anna rigger	R. L. Polk & Co.
	Cosgrove Jas Gertrude slsmn	R. L. Polk & Co.
	Doyle Michl dock bldr dept P & S	R. L. Polk & Co.
	Mc Veety	R. L. Polk & Co.
	Asta Carmen Agnes mtrmn	R. L. Polk & Co.
	Benson Benj Gertrude	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Flanagan Nellie Wid Jos	R. L. Polk & Co.
	Grover Jas clnr	R. L. Polk & Co.
	Hofner Cath wid Chas	R. L. Polk & Co.
	Hofner Edw clk Mhn	R. L. Polk & Co.
	Holdos Frank Madgalene bldg supt	R. L. Polk & Co.
	Landis Wm Margt slsmn	R. L. Polk & Co.
	Mason Carmen Emma truck driver	R. L. Polk & Co.
	Mc Veety Frank Mary clk	R. L. Polk & Co.
	Moore John jr printe	R. L. Polk & Co.
	ODonnell Elizabeth wid Patk	R. L. Polk & Co.
	ODonnell Mildred sten Mhn	R. L. Polk & Co.
	ONeill Jos clk	R. L. Polk & Co.
	ONeill Nora	R. L. Polk & Co.
	Rissmann Charlotte waitress	R. L. Polk & Co.
	Roman Anna	R. L. Polk & Co.
	Roman Cath sten	R. L. Polk & Co.
	Roman Ignalius dyer	R. L. Polk & Co.
	Sharkey Mary Wid Saml	R. L. Polk & Co.
	Smith Nelson wtchmn	R. L. Polk & Co.
	Stragi Jos Cath waiter	R. L. Polk & Co.
	Walsh Geo Hannah chauf	R. L. Polk & Co.
	Wyman Elmer J Adeline teleg	R. L. Polk & Co.

1165 45TH AVE

Year	Uses	Source
1970	Chelini Orlando	New York Telephone

1255 45TH AVE

Year	Uses	Source
1991	Velez A	NYNEX Information Resource Company

1347 45TH AVE

Year	Uses	Source
1983	Suarez Severino	New York Telephone

1413 45TH AVE

Year	Uses	Source
1934	Garfield Rose silk Exmnr	R. L. Polk & Co.

FINDINGS

18-12 45TH AVE

Year	Uses	Source
1950	MILLER I B CONTRACTG CORP	New York Telephone
	MILLER I-B-ACSELROD WM BLDRS INC	New York Telephone

18-48 45TH AVE

Year	Uses	Source
1950	NOLFO MARY	New York Telephone

1815 45TH AVE

Year	Uses	Source
2008	DOBBS INTERNATIONAL SERVICE	Cole Information Services
	GATES GOURMET	Cole Information Services

1824 45TH AVE

Year	Uses	Source
1934	Fry Wm Caroline eng	R. L. Polk & Co.

20-01 45TH AVE

Year	Uses	Source
1950	CLARK MARIA E	New York Telephone
	M	New York Telephone

20-02 45TH AVE

Year	Uses	Source
1950	MORFESI FRANK J	New York Telephone

20-03 45TH AVE

Year	Uses	Source
1950	BEZARES YLUMINADO	New York Telephone

20-05 45TH AVE

Year	Uses	Source
1950	GERBER HARRY A	New York Telephone

20-06 45TH AVE

Year	Uses	Source
1950	WARD MARY HARVEY MRS	New York Telephone

20-07 45TH AVE

Year	Uses	Source
1950	COULOUFACOS LEON	New York Telephone

FINDINGS

20-09 45TH AVE

Year	Uses	Source
1950	WELLMAN WM R	New York Telephone
	WELLMAN VIRGINIA M	New York Telephone

20-11 45TH AVE

Year	Uses	Source
1950	REITER AUGUST	New York Telephone

20-12 45TH AVE

Year	Uses	Source
1950	PROCANYN PAUL	New York Telephone

20-14 45TH AVE

Year	Uses	Source
1950	CAISS JOSEF	New York Telephone

20-15 45TH AVE

Year	Uses	Source
1950	LEONE JOSEPHINE	New York Telephone

45TH RD

1018 45TH RD

Year	Uses	Source
1934	International Skylight Co Inc NY	R. L. Polk & Co.
	United Saw Works RTN Albert Needhammer Paul Kiechle	R. L. Polk & Co.

1020 45TH RD

Year	Uses	Source
2013	GARNETT CHRISTIAN	Cole Information Services
	ARMSTRONG LOCKSMITH INCORPORATED	Cole Information Services
2005	h Chesler Andrew	Hill-Donnelly Information Services
	Ehrenwoth Andrew	Hill-Donnelly Information Services
	Gamett Christian w	Hill-Donnelly Information Services
	Gamett Christian s	Hill-Donnelly Information Services
	h Hammerman Pat A	Hill-Donnelly Information Services
	h Mudd Harvey AO	Hill-Donnelly Information Services
	Stein Daniel	Hill-Donnelly Information Services
2000	Joyce Abrams	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Andrew Ehrenwoth	Cole Information Services
	P Hammermankrassn	Cole Information Services
	Crystal Lee	Cole Information Services
	Lori Nozick	Cole Information Services
	Sandra Salisbury	Cole Information Services
	Chesler Andrew	Cole Information Services
	Garnett Christian	Cole Information Services
	Giganti Jnn Evlvng	Cole Information Services
	Mark Andrew Vndng	Cole Information Services
	Mudd Harvey	Cole Information Services
	Robishaw Sandr	Cole Information Services
	Vallas Dean	Cole Information Services
1991	Ten Twenty Art Space Inc	NYNEX Information Resource Company
1962	Saboeva Furn Inc	New York Telephone Directory
	Orium Prods Inc	New York Telephone Directory
1945	Gussack Machined Prods Co	New York Telephone
	Rogge Edw b	New York Telephone
	Roller Engrvng C0 Inc	New York Telephone
1939	Queens Silk Co Inc	New York Telephone Company
	Standard Instruments Corp	New York Telephone Company

1025 45TH RD

Year	Uses	Source
2005	Port Distributing Corp IS	Hill-Donnelly Information Services
1991	PORT DISTRIBTG CORP	NYNEX Information Resource Company
	Port Dstrbtng Corp	NYNEX Information Resource Company
1983	QUADRI INC	New York Telephone

1027 45TH RD

Year	Uses	Source
1945	Missioni Dry Corp sales dept	New York Telephone
	Plaza Beverage Co Inc	New York Telephone
1934	Minary R chipper Leng Island Foundry Co Inc	R. L. Polk & Co.
	Long Island Foundry Co Inc NY cap $100000 Thos F Mc Mahon pres Melvin Healy sec treas	R. L. Polk & Co.
	Kajel S chipper Long Island Foundry Co Inc	R. L. Polk & Co.
	Jaracek J shipper Long Island Foundry Co Inc	R. L. Polk & Co.

Year	Uses	Source
1934	Sekested A truck driver Long Island Fndry Co Inc	R. L. Polk & Co.
	Vanscwer V mldr Long Island Foundry Co Inc	R. L. Polk & Co.
	Sylinskv A mldr Long Island Foundry Co Inc	R. L. Polk & Co.

1028 45TH RD

Year	Uses	Source
1939	Bradley A J Mfg Co oil papr	New York Telephone Company
	Bradley Stencil Cutting Machine Co	New York Telephone Company
	Gussack Machined Prods Inc	New York Telephone Company
	Malan & Meyer	New York Telephone Company
	Dan Dee Strap & Spclty Co	New York Telephone Company
1934	Branch	R. L. Polk & Co.

1030 45TH RD

Year	Uses	Source
1983	Angelos Art	New York Telephone

1032 45TH RD

Year	Uses	Source
1967	Advanced Fabricating Corp	New York Telephone
1962	Advanced Welding & Fabricating Co	New York Telephone Directory

1034 45TH RD

Year	Uses	Source
2013	LLOYD & SONS INC	Cole Information Services
2005	Arlington Furniture Corp	Hill-Donnelly Information Services
2000	The Arlngtn Furn	Cole Information Services
1991	Ionic Furniture Corp	NYNEX Information Resource Company
1983	Ionic Furniture Corp	New York Telephone

1035 45TH RD

Year	Uses	Source
2000	LIC Tracking	Cole Information Services
	LIC Trucking Corp	Cole Information Services

1038 45TH RD

Year	Uses	Source
1939	Hercules Co road rollrs	New York Telephone Company

FINDINGS

1125 45TH RD

Year	Uses	Source
1962	Rapp Wm	New York Telephone Directory

1130 45TH RD

Year	Uses	Source
2013	YORK INTERNATIONAL	Cole Information Services
2008	NEW YORK STORE FIXTURE	Cole Information Services
	YORK INTERNATIONAL	Cole Information Services
2000	Owens Express	Cole Information Services
	Green Mtn Graphics	Cole Information Services
1991	Ferroform Inc	NYNEX Information Resource Company
1970	Efficient Instruments Corp	New York Telephone
	Efficient Instrments Corp	New York Telephone
	Argo Instrmnts Corp	New York Telephone

1136 45TH RD

Year	Uses	Source
1976	Tech Inquiries	New York Telephone
1967	Tech Inquiries	New York Telephone

1140 45TH RD

Year	Uses	Source
2005	SSG Library Svc	Hill-Donnelly Information Services
1976	Fisher Radio Corp Exec Offices	New York Telephone
	Parts Dept	New York Telephone
	Repr Svce & Parts	New York Telephone
1970	Exec Offices	New York Telephone
	Repr Svce & Parts	New York Telephone
1967	Exec Offices	New York Telephone
	Repr Svce	New York Telephone

1866 45TH RD

Year	Uses	Source
2000	Nation Wd Recycle	Cole Information Services

2019 45TH RD

Year	Uses	Source
2000	Cheryl Buchner	Cole Information Services

FINDINGS

2046 45TH RD

Year	Uses	Source
2000	Michael Stapleton	Cole Information Services

2057 45TH RD

Year	Uses	Source
2000	David Hamill	Cole Information Services
	21ST ST INTS FROM	Cole Information Services

2059 45TH RD

Year	Uses	Source
1939	Kiernan Patrick	New York Telephone Company

2103 45TH RD

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 8 Chan Lynne 718 433 2699 oi	Hill-Donnelly Information Services
	Kraft Franfarrel A	Hill-Donnelly Information Services
	Maasjo Brian	Hill-Donnelly Information Services
	Moulas Maria 0v	Hill-Donnelly Information Services
	Moulas Marts	Hill-Donnelly Information Services
	Numbr 5 h Spaid Joseph 0718 729 1786 oi	Hill-Donnelly Information Services
	Numbr 4 Tsantes Anastasia AA	Hill-Donnelly Information Services
	Winton K v O	Hill-Donnelly Information Services
2000	David Nygran	Cole Information Services
	Mark Abbott	Cole Information Services
	Julienne Kim	Cole Information Services
	Kraft	Cole Information Services
	Maria Moulas	Cole Information Services
1991	Cruz Tomasita	NYNEX Information Resource Company
	Danies C M	NYNEX Information Resource Company
	Joes Cleaners	NYNEX Information Resource Company
	Kraft F Farrell	NYNEX Information Resource Company
	Kuznetzkoff Dana	NYNEX Information Resource Company
	Mouganis Christopher	NYNEX Information Resource Company
	Pally A J	NYNEX Information Resource Company
	Press J	NYNEX Information Resource Company
	Thelma Unisex & Hairstylist	NYNEX Information Resource Company
	Tsantes Anastasia	NYNEX Information Resource Company
	Tsantes Harry A	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1983	Bautista Pacifico S	New York Telephone
	City View Unisex Ltd	New York Telephone
	Faber G	New York Telephone
	Kellough C	New York Telephone
	Kraft F Farrell	New York Telephone
	Miller M	New York Telephone
	Sanabria Gilberto	New York Telephone
	Tsantes Anastasia	New York Telephone
1976	Daos Alfredo G	New York Telephone
1970	Astoria Travl Agency	New York Telephone
	Cormick John J	New York Telephone
	Fulkrod Richard L	New York Telephone
	Mason Victor	New York Telephone
	Sarbak Chester	New York Telephone
1967	Cormick John J	New York Telephone
	Liberto Frank J	New York Telephone
1962	Collins Jas J	New York Telephone Directory
	Garrity Thos J	New York Telephone Directory
	Kapun Edw	New York Telephone Directory
	Ledden Thos Mrs	New York Telephone Directory
	Natalizio Antionette	New York Telephone Directory
	Pillion Geo F	New York Telephone Directory
	Sheehy John J	New York Telephone Directory
1945	Pillion Margaret	New York Telephone
1939	Kelly Jas W	New York Telephone Company
1934	Bonanno Anthony barber	R. L. Polk & Co.
	Bonnano Jos Mary elev opr	R. L. Polk & Co.
	Boron John Mary bldg supt	R. L. Polk & Co.
	Coffey Walter Jean slsmn Mhn	R. L. Polk & Co.
	Doyle Ellen wid Jas	R. L. Polk & Co.
	Kelly Mary	R. L. Polk & Co.
	Maher Danl Sarah	R. L. Polk & Co.
	Maher Danl jr musician	R. L. Polk & Co.
	Maher Violet tel opr	R. L. Polk & Co.
	Manto Jos Antoinette barber	R. L. Polk & Co.
	Sheehy John Beatrice clk PO	R. L. Polk & Co.
	Stergionis Asimina	R. L. Polk & Co.
	Sullivan Florence	R. L. Polk & Co.

Year	Uses	Source
1934	Sullivan Rose sten	R. L. Polk & Co.

45TH ST

10-11 45TH ST

Year	Uses	Source
1950	SUN DEW CORP BEVRGS	New York Telephone
	ORANGE MAID INC	New York Telephone

10-12 45TH ST

Year	Uses	Source
1950	KROMALL CHEMCL & DISPERSIONS CORP	New York Telephone

10-15 45TH ST

Year	Uses	Source
1950	US MANNEQUIN MTG CO	New York Telephone
	BEST METL PRODC INC	New York Telephone
	PETER PUPPET PLAYTHINGE INC	New York Telephone
	NATL VENELATS CO INC	New York Telephone

10-18 45TH ST

Year	Uses	Source
1950	SANDER MONROE CORP LAGRS VARNSHS	New York Telephone
	MONROE SANDER CORP LAQRS VARNSHS	New York Telephone

10-27 45TH ST

Year	Uses	Source
1950	WOOLBRYTE FABRICS CO	New York Telephone
	BORSDORFF CO INC THE FURN	New York Telephone
	IMPERIAL REED & FLBRA CO	New York Telephone
	BEHRENS WOOLEN MILLS INC	New York Telephone

10-35 45TH ST

Year	Uses	Source
1950	FEHLHABER PILE CO INC	New York Telephone

10-36 45TH ST

Year	Uses	Source
1950	QUEENS TEXTILE MFG INC	New York Telephone

Year	Uses	Source
1950	TIMBERLANE HOTEL GUEST RANCH	New York Telephone

10-40 45TH ST

Year	Uses	Source
1950	HEFGOLD REALTY CORP OFC	New York Telephone
	EMPIRE CITY IRON WKS	New York Telephone
	DALY STEEL PRODS CO	New York Telephone
	HEFFNER S O RL EST	New York Telephone

1020 45TH ST

Year	Uses	Source
1934	Goldman Abr Celia Goldman Bros	R. L. Polk & Co.

1027 45TH ST

Year	Uses	Source
1934	Donohue W emp Long Island Foundry Co Inc	R. L. Polk & Co.

1035 45TH ST

Year	Uses	Source
1934	Zinn Saul I Westminster Pharmacy	R. L. Polk & Co.

1095 45TH ST

Year	Uses	Source
1962	SCHIEFFELIN & CO	New York Telephone Directory
	Drug Order Dept	New York Telephone Directory
	Genl Offices	New York Telephone Directory
	Drug Ordr Dept	New York Telephone Directory
	Schieffelin & Co drugs phrmcutcls	New York Telephone Directory
	Schieffelin & Co drugs phrmcutcls	New York Telephone Directory

11-14 45TH ST

Year	Uses	Source
1950	DEREN GEO F	New York Telephone
	DE VITA WM G	New York Telephone
	BURCH JOHN P JR	New York Telephone
	BAYLIS MARY	New York Telephone
	BACHENHEIMER ALBERT D	New York Telephone
	ADAMS JAS	New York Telephone
	W	New York Telephone
	VINE WM	New York Telephone

Year	Uses	Source
1950	STREUBER ANTONIE	New York Telephone
	SHAW MARY MRS	New York Telephone
	ROWAN JEANETTE MRS	New York Telephone
	ROBINSON WM J	New York Telephone
	MOORE GERALDINE	New York Telephone
	MOLONEY MARY MRS	New York Telephone
	MCCARTHY PATRICIA E	New York Telephone
	MACHINSKY PETER	New York Telephone
	M	New York Telephone
	KENNEDY PATK	New York Telephone
	DE NERO ANTHONY F	New York Telephone

11-24 45TH ST

Year	Uses	Source
1950	ACME EXTERMINATING CO	New York Telephone
	WARYOLD FRANK P	New York Telephone
	ARC ENGNRNG CO BOILR REPR& WELDNG	New York Telephone
	BELLINI MICHL A	New York Telephone
	BISIGNANL VINCENT F DDS	New York Telephone
	BURNOR HARRY A	New York Telephone
	CARBONE GERTRUDE	New York Telephone
	CARELLI FRANK P	New York Telephone
	COLLETTI GEO	New York Telephone
	D ANTUONO RALPH J	New York Telephone
	DE NERO JOS	New York Telephone
	DE SERIO JOHN	New York Telephone
	FERRINI JULIUS	New York Telephone
	FIORETTL CARRIE	New York Telephone
	FUMEX SANITATION INC	New York Telephone
	GALLAGHER WM	New York Telephone
	GEAGAN JOHN	New York Telephone
	GLRARDL JEROME J	New York Telephone
	AMER COM STEEL CO	New York Telephone
	VISSER ADRLANUS	New York Telephone
	GOLDNER ALEX H	New York Telephone
	KENNY JOHN H	New York Telephone
	KENNY THOS	New York Telephone
	L I TANK LINING CO	New York Telephone

FINDINGS

Year	Uses	Source
1950	M	New York Telephone
	MAJESTLC EXTERMINATING CO INC	New York Telephone
	P	New York Telephone
	PIEKEMA SUSAN	New York Telephone
	PROFESSIONAL MENS EXCHANGE OF QNS	New York Telephone
	QUEENS TELEPHONE SECRETARY	New York Telephone
	RICCIO MARGIE R	New York Telephone
	S	New York Telephone
	S	New York Telephone
	SCHARFF CARRIE MRS	New York Telephone
	SHEPPARD WM C JR	New York Telephone
	SORIANO VINCENT A	New York Telephone
	STACK BEREHA MRS	New York Telephone
	STERNER TERESA MRS	New York Telephone

1115 45TH ST

Year	Uses	Source
1934	Newbury Nelson Mary slsmn	R. L. Polk & Co.
	Fontana Eug Elvira formn Mhn	R. L. Polk & Co.

1147 45TH ST

Year	Uses	Source
1934	OConnor Jos Cath handymn	R. L. Polk & Co.

1155 45TH ST

Year	Uses	Source
1934	Moore Mary wid John	R. L. Polk & Co.
	Mc Cabe Margt wid John matron	R. L. Polk & Co.
	Mc Cabe Jas elev opr Mhn	R. L. Polk & Co.
	Leahy Wm Jane chauf Mhn	R. L. Polk & Co.
	Brown Martin Winifred lab	R. L. Polk & Co.
	Rissmann Elsie Wid Walter	R. L. Polk & Co.

1254 45TH ST

Year	Uses	Source
1934	Wolff Herman Frances pres Wollf Alport Chemical Corp	R. L. Polk & Co.

FINDINGS

1322 45TH ST

Year	Uses	Source
1934	Robinson Robt Virginia clk	R. L. Polk & Co.

1330 45TH ST

Year	Uses	Source
1934	Blum Louis Blum Electric Co	R. L. Polk & Co.

1401 45TH ST

Year	Uses	Source
1996	UNYT Newspapers	NYNEX

46TH AVE

10-20 46TH AVE

Year	Uses	Source
1950	BANNON CATHERINE M MRS	New York Telephone

10-22 46TH AVE

Year	Uses	Source
1950	LAURL BENJ	New York Telephone

10-24 46TH AVE

Year	Uses	Source
1950	OCONNOR JOHN D	New York Telephone

10-25 46TH AVE

Year	Uses	Source
1950	HEPPA WM TRUCKING CO INC	New York Telephone

10-26 46TH AVE

Year	Uses	Source
1950	LAURI ANIEL T	New York Telephone

10-28 46TH AVE

Year	Uses	Source
1950	MEO SALVATORE	New York Telephone

10-29 46TH AVE

Year	Uses	Source
1950	FARM FOOD CHEESE CORP	New York Telephone

FINDINGS

10-34 46TH AVE

Year	Uses	Source
1950	BWAY REBUILT MOTOR DISTRIBUTRS CO	New York Telephone
	CONSOLIDATED OIL & SUPPLY CO	New York Telephone

10-35 46TH AVE

Year	Uses	Source
1950	GRAY SELMA	New York Telephone
	KEMPF CHAS H	New York Telephone
	SULLA LAWRENCE	New York Telephone
	GRAY LILLIA E	New York Telephone

10-37 46TH AVE

Year	Uses	Source
1950	LO PICCOLO JOHN	New York Telephone

10-41 46TH AVE

Year	Uses	Source
1950	AMATO FRANK	New York Telephone
	CAGGIANO LAWRENCE	New York Telephone
	CARUNO ANNE	New York Telephone

10-42 46TH AVE

Year	Uses	Source
1950	JEROME ANTHONY J	New York Telephone

10-43 46TH AVE

Year	Uses	Source
1950	RENNA JAS V	New York Telephone
	CHLAPPISE ANTHONY	New York Telephone

10-45 46TH AVE

Year	Uses	Source
1950	DI GESU FRANK	New York Telephone

10-47 46TH AVE

Year	Uses	Source
1950	CANNIZZARO PETER	New York Telephone

FINDINGS

10-48 46TH AVE

Year	Uses	Source
1950	DE LANEY SARAH	New York Telephone

10-49 46TH AVE

Year	Uses	Source
1950	LO CICERO BENJ J	New York Telephone

10-50 46TH AVE

Year	Uses	Source
1950	PEPE FRANK	New York Telephone

10-51 46TH AVE

Year	Uses	Source
1950	MASON MARY	New York Telephone

10-52 46TH AVE

Year	Uses	Source
1950	NORTON CATHERINE	New York Telephone

10-54 46TH AVE

Year	Uses	Source
1950	AGOGUA FELICE	New York Telephone

1016 46TH AVE

Year	Uses	Source
2013	RANDEL MOLD & DIE CORP	Cole Information Services
2008	COVALENCE SPECIALTY MATERIALS	Cole Information Services

1018 46TH AVE

Year	Uses	Source
1967	Monroe Sander Corp The laqrs & vrnshs	New York Telephone
	Sander Monroe Corp The lagrs & vrnshs	New York Telephone
1962	Sander Monroe Corp The laqrs & vrnshs	New York Telephone Directory
	Monroe Sander Corp The laqrs & vrnshs	New York Telephone Directory
1939	Sander Monroe Corpn lacquers & Varnishes	New York Telephone Company
	Salore Inc	New York Telephone Company
	Monroe Sander Corpn lacquers & varnishes	New York Telephone Company

FINDINGS

1022 46TH AVE

Year	Uses	Source
2013	DMP COMPANY INC	Cole Information Services

1024 46TH AVE

Year	Uses	Source
1945	Carpenter Morton Co Inc	New York Telephone
	Imperial Paint Co	New York Telephone
	United Varnish Co	New York Telephone
1939	Imperial Paint Co	New York Telephone Company
	Carpenter Morton Co Inc	New York Telephone Company

1025 46TH AVE

Year	Uses	Source
1934	Standard Motor products Corp NY Elias Fife pres treas Herman O Rosenstein sec	R. L. Polk & Co.

1026 46TH AVE

Year	Uses	Source
2013	PICKEREL PIE ENTERTAINMENT	Cole Information Services
2005	Macias Pl	Hill-Donnelly Information Services
2000	Margaret Heffeman	Cole Information Services
1991	Lyon Bill	NYNEX Information Resource Company
1983	Gross Howard	New York Telephone
	Wallington Motor Lines Inc	New York Telephone
1970	Astro Picture Frames & Moldings Corp	New York Telephone
1945	Monroe Sander Corp laqrs & varnshes	New York Telephone
	Sander Monroe Corp laqrs & varnshes	New York Telephone
1939	Eclipse Paint Mfg Co	New York Telephone Company
	Encore Palnt & Varnish Mfg Co	New York Telephone Company

1027 46TH AVE

Year	Uses	Source
2013	JORGES UPHOLSTERY	Cole Information Services
	ROW NEW YORK INC	Cole Information Services
2008	JORGES UPHOLSTERY	Cole Information Services
	L C H UPHOLSTERY INC	Cole Information Services
	MITTMAN LEWIS INC	Cole Information Services
	SUCCESS PRODUCTION ADVERTISING INC	Cole Information Services
	RACK & PINION	Cole Information Services

FINDINGS

Year	Uses	Source
2008	INDEPENDENT STUDIOS 1	Cole Information Services
2005	Barber Vivian	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Hogan Betty Ann 1 718 937 3582 + Numbr 4 Independent St	Hill-Donnelly Information Services
	Keano Monika	Hill-Donnelly Information Services
	LCH Upholstery Inc 11718433 0094 o	Hill-Donnelly Information Services
	Numbr 1 Lewis Mittman Inc	Hill-Donnelly Information Services
	Rayones Art Studio	Hill-Donnelly Information Services
	Risquez Geromino	Hill-Donnelly Information Services
	Success Advertising Is	Hill-Donnelly Information Services
	h Thulin A	Hill-Donnelly Information Services
2000	Vivian Barber	Cole Information Services
	Monika Keano	Cole Information Services
	Chahee Pickard	Cole Information Services
	Independent S	Cole Information Services
	Independent	Cole Information Services
	Upholstery Inc	Cole Information Services
	Rayones Art Studio	Cole Information Services
	Schaumburger Anu	Cole Information Services
	Simpson Hester	Cole Information Services
	Thulin	Cole Information Services
1991	Independent Studios	NYNEX Information Resource Company
1983	William Parry Architectural Woodwork	New York Telephone
	Christie Arthur b	New York Telephone
	C G Graphics	New York Telephone
1967	Imperial Reed & Rattan Furn Co	New York Telephone
1962	Imperial Reed & Rattan Furn Co	New York Telephone Directory
1945	Imperial Reed & Fibre Co	New York Telephone
	Behrens Woolen Mills Inc	New York Telephone
1939	Mari E & O Inc muscl strings	New York Telephone Company
	Hall T F Inc heatg	New York Telephone Company
	Evans Elevator Equalizer Co	New York Telephone Company
	Behrens Bros Silk Co Inc	New York Telephone Company
1934	Bradley Bldg	R. L. Polk & Co.

1028 46TH AVE

Year	Uses	Source
2013	TAI RUI TRADING INCORPORATED	Cole Information Services

Year	Uses	Source
1934	Rettinger Bros TN Geo Rettinger blksmlths	R. L. Polk & Co.

1034 46TH AVE

Year	Uses	Source
2005	Building Specialties Corp	Hill-Donnelly Information Services
	ir 718 468 7412 o	Hill-Donnelly Information Services
2000	Bldng Spclts Corp	Cole Information Services
1991	Building Specialties Corp	NYNEX Information Resource Company
1983	Building Specialties Corp	New York Telephone
1976	Building Specialties Corp	New York Telephone
1970	Building Sepecialties Corp	New York Telephone
1967	Building Specialties Corp	New York Telephone
1945	Escape Hatch Co The	New York Telephone

1036 46TH AVE

Year	Uses	Source
2005	Phillip Import Inc	Hill-Donnelly Information Services
	New Jingle Sportswear Inc	Hill-Donnelly Information Services
2000	Tammy C Ltd	Cole Information Services
	Innerline Inc	Cole Information Services
	Park SE Woong	Cole Information Services
1945	Queens Textile Mill Inc	New York Telephone
1939	Queens Textile Mill Inc	New York Telephone Company

1038 46TH AVE

Year	Uses	Source
2013	COMPUTERCOOL ICE AGE MECHANICAL CORP	Cole Information Services
2005	Tony Century Fashion Inc	Hill-Donnelly Information Services
1991	Aaron Fashion Knitwear Ltd	NYNEX Information Resource Company
1983	Aaron Fashion Knitwear Ltd	New York Telephone

1040 46TH AVE

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	11TH ST INTS FROM	Cole Information Services
	Classic Exec Limo	Cole Information Services
1991	Metal Partition Sales Corp	NYNEX Information Resource Company
	Duncan Long Inc	NYNEX Information Resource Company
1983	Duncan Long Inc partitions	New York Telephone

FINDINGS

Year	Uses	Source
1970	Miller R B Organztn Inc	New York Telephone
1967	Miller R B Organztn Inc	New York Telephone
1962	Todays Displays Inc	New York Telephone Directory
1945	Hefgold Realty Corpn off	New York Telephone
	Heffner S O rl est	New York Telephone
	Heffner S O rl est	New York Telephone
	Empire City Iron Works	New York Telephone
	Daly Steel Prods Co	New York Telephone
1939	Empire City Iron Works	New York Telephone Company
	Hefgold Realty Corpn off	New York Telephone Company
	Heffner S O rl est	New York Telephone Company
1934	Daly Steel Products Corp NY Cap $20 000 Leopold Heffner pres treas Nathan Heffner sec Simon O Heffner asst treas subsidiary of and controlled by Empire City Iron Wks	R. L. Polk & Co.
	Empire City Iron Works NY Leopold Heffner pres treas Nathan Heffner sec Simon O Heffner asst treas	R. L. Polk & Co.

11-15 46TH AVE

Year	Uses	Source
1950	SULLIVAN PHILIP T	New York Telephone
	TANALSKI JOS	New York Telephone
	TANALSKI WALTER A	New York Telephone
	W	New York Telephone
	ATKINSON MARGARET C	New York Telephone
	B	New York Telephone
	CANTANNO JOA	New York Telephone
	DALLEY JAS J	New York Telephone
	DELGADO JOS	New York Telephone
	ELLINGTON WM R	New York Telephone
	FLOWER ISIDORE	New York Telephone
	FREY FRANCES	New York Telephone
	FRIEDER LOUIS	New York Telephone
	GANO R P	New York Telephone
	JUCHNIEWICZ JOHN F	New York Telephone
	LEVESQUE ETHEL M	New York Telephone
	LOTITO PATSY	New York Telephone
	OTT JOS	New York Telephone
	PICECE NICHOLAS M	New York Telephone
	POLACHEK ELY AL	New York Telephone

FINDINGS

Year	Uses	Source
1950	RAUSCHWALD MARK	New York Telephone
	REID JOS J	New York Telephone

11-16 46TH AVE

Year	Uses	Source
1950	NICKS LUNCHEONETTE	New York Telephone

11-18 46TH AVE

Year	Uses	Source
1950	FLAACKE WM DELCTSN	New York Telephone

11-25 46TH AVE

Year	Uses	Source
1950	ABRAMS ROSE MRS	New York Telephone
	B	New York Telephone
	BURCH JOHN J	New York Telephone
	CAPPA ANGELO C	New York Telephone
	CARROLL FLORENCE A MRS	New York Telephone
	COHEN SAML	New York Telephone
	COSOMANO ANTHONY	New York Telephone
	EMANUEL GUS	New York Telephone
	GARRAMONE PATSY	New York Telephone
	GARVEY JAS T	New York Telephone
	GELTER FRANK	New York Telephone
	J M E TRANSPTN	New York Telephone
	JAKOBLAK FRANCIS J	New York Telephone
	JUTT WM E	New York Telephone
	MCCABE MARY MRS	New York Telephone
	ODONNELL JOHN	New York Telephone
	PHOTAKIS EVELYN	New York Telephone
	PINES BROS INDUSTRL PAINTRS	New York Telephone
	REINFURT GEO	New York Telephone
	S	New York Telephone
	SCHMIDT ALFRED	New York Telephone
	SPERO MICHL A	New York Telephone
	TOSCANO PAULA MRS	New York Telephone
	VERSACI BESSIE M	New York Telephone

FINDINGS

11-26 46TH AVE

Year	Uses	Source
1950	WOLVERINE TUBE DIV OF CALUMET & HECLA CONSOLIDATD COPPER CO INC	New York Telephone

11-30 46TH AVE

Year	Uses	Source
1950	YORK DISTRIBUTRS INC	New York Telephone
	YORK CORP COML DIV	New York Telephone

11-31 46TH AVE

Year	Uses	Source
1950	SCHULTZ CHAS A B	New York Telephone
	SIMONDS JOHN F B	New York Telephone
	RAAB G R B	New York Telephone
	RAAB G R B	New York Telephone
	BOSTWICK G B B J	New York Telephone

11-42 46TH AVE

Year	Uses	Source
1950	MEMENTO ASSOCIATES	New York Telephone
	AMER HOME FOODS INC N Y DIST SALES OFC	New York Telephone
	PELLICANO ANTHONY PAINTNG & DECORATG	New York Telephone
	ROSEN H CONTR	New York Telephone

11-48 46TH AVE

Year	Uses	Source
1950	WURM J DENTAL ENAMEL CO	New York Telephone

1103 46TH AVE

Year	Uses	Source
1991	Western Hemisphere Publishers Reps Inc	NYNEX Information Resource Company
	British Publications Inc	NYNEX Information Resource Company
	Elite Publshng Corp	NYNEX Information Resource Company
	European Film P T V Inc	NYNEX Information Resource Company
	European Media Reps Inc	NYNEX Information Resource Company
	European Publishers Reps Inc	NYNEX Information Resource Company
	Italian Advtng Co Inc	NYNEX Information Resource Company
	Italian Publicatns Inc	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Italian Television Co Inc	NYNEX Information Resource Company
1983	British Publications Inc	New York Telephone
	Continental Book Co	New York Telephone
	EUROBOOKS MAIL ORDER LIBRARY	New York Telephone
	European Film P T V Inc	New York Telephone
	European Media Reps Inc	New York Telephone
	European Publshrs Representatives Inc	New York Telephone
	French Book Guild	New York Telephone
	Italian Adving Co Inc	New York Telephone
	Italian Publicatns Inc	New York Telephone
	Italian Television Co Inc	New York Telephone
	Western Hemisphere Publishers Reps Inc	New York Telephone
	Elite Publishing	New York Telephone
1976	Eurobooks Mail Order Library	New York Telephone
	Elite Publishing	New York Telephone
	Continental Book Co	New York Telephone
	British Publications Inc	New York Telephone
	French Book Guild	New York Telephone
	European Film P T V Inc	New York Telephone
	European Media Reps Inc	New York Telephone
	European Publshrs Representatives Inc	New York Telephone
	Italian Advtng Co Inc	New York Telephone
	Italian Publicatns Inc	New York Telephone
	Italian Television Co Inc	New York Telephone
1970	Coldelit Corp of Amer	New York Telephone

1114 46TH AVE

Year	Uses	Source
2013	46TH AVE PLUMBING & SEWER	Cole Information Services
2005	Numbr 30 Thorpe J	Hill-Donnelly Information Services
	Whitehouse Phyllis	Hill-Donnelly Information Services
	Numbr 3 G h Wingate L D v Y 718 937 1420 oi	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 4 E Balazs Jorge	Hill-Donnelly Information Services
	Numbr 4 A Benson Thomas M	Hill-Donnelly Information Services
	Carsmnan Marian L	Hill-Donnelly Information Services
	Numbr 41 Creighton Robert A	Hill-Donnelly Information Services
	E h Defreitas Frank J 718 786 3671 68e	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr BSMT h Feldstein Llaudia	Hill-Donnelly Information Services
	Numbr 4 H Frome	Hill-Donnelly Information Services
	Frome Jason	Hill-Donnelly Information Services
	Numbr 3 C Goetl David v	Hill-Donnelly Information Services
	Numbr 2D Hunt	Hill-Donnelly Information Services
	Numbr l Fh King Wayne	Hill-Donnelly Information Services
	Numbr 2 C Mendoza Betheddie	Hill-Donnelly Information Services
	Numbr 23 h Morano Kathleen	Hill-Donnelly Information Services
	h Pizzitola E	Hill-Donnelly Information Services
	Numbr 3 F Quinones Adrienne	Hill-Donnelly Information Services
	Quinones William p	Hill-Donnelly Information Services
	Numbr 2 C a Romeo Ri	Hill-Donnelly Information Services
	Numbr 4 F Siguencia Julia	Hill-Donnelly Information Services
	Numbr 3 H St Sauver Jason v	Hill-Donnelly Information Services
	h Taylor Sara v	Hill-Donnelly Information Services
2000	Apartments	Cole Information Services
	E Jorge Balazs	Cole Information Services
1996	FROME Jason	NYNEX
1991	Saggerson Neil	NYNEX Information Resource Company
	Schneider Paul	NYNEX Information Resource Company
	Sprechman Jordan	NYNEX Information Resource Company
	Talpa Joe	NYNEX Information Resource Company
	Walling Walter F	NYNEX Information Resource Company
	Wittman Anne	NYNEX Information Resource Company
	Woods Charles	NYNEX Information Resource Company
	Ziegler B	NYNEX Information Resource Company
	Jorquera Flora	NYNEX Information Resource Company
	Balazs Jorge	NYNEX Information Resource Company
	Bedrosian G	NYNEX Information Resource Company
	Belardo A	NYNEX Information Resource Company
	Calderon Alex	NYNEX Information Resource Company
	Chauncey Edwin	NYNEX Information Resource Company
	Corkhill Olga	NYNEX Information Resource Company
	De Freitas Frank J	NYNEX Information Resource Company
	Frome Jason	NYNEX Information Resource Company
	Gallo Michael	NYNEX Information Resource Company
	Grosky Reid	NYNEX Information Resource Company
	Hush Michele	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Morsette Z	NYNEX Information Resource Company
	OGara Kevin	NYNEX Information Resource Company
	Plummer V	NYNEX Information Resource Company
	Rabin Eliott	NYNEX Information Resource Company
	Robertson James R	NYNEX Information Resource Company
	Robins Richard	NYNEX Information Resource Company
1983	Jorquera Flora	New York Telephone
	Balazs Jorge	New York Telephone
	Belardo A	New York Telephone
	Bracken Michael	New York Telephone
	Brown Robert H Jr	New York Telephone
	Chauncey Edwin	New York Telephone
	Corkhill Olga	New York Telephone
	Cunanan Ernesto	New York Telephone
	De Freitas Frank J	New York Telephone
	Jehle Geo R	New York Telephone
	Kingsbury E Mar	New York Telephone
	Koutsos Paul	New York Telephone
	Murray J P Mrs	New York Telephone
	Norman Dara	New York Telephone
	Pinto Grace Mrs	New York Telephone
	Ramirez G	New York Telephone
	Santiago Richard	New York Telephone
	Serra Francisco M	New York Telephone
	Serra Jorge	New York Telephone
	Serra Luis	New York Telephone
	Sorrell M	New York Telephone
	Spettmann Joseph	New York Telephone
	Spivack L	New York Telephone
	Talpa Joe	New York Telephone
	Taylor J A	New York Telephone
	Terzian Vasken	New York Telephone
	Thomsen T K	New York Telephone
	Williamson M	New York Telephone
	Dziewanowski Jas	New York Telephone
1976	Aquino Carlito	New York Telephone
	Balazs Jorge	New York Telephone
	Belardo A	New York Telephone

FINDINGS

Year	Uses	Source
1976	Chauncey Edwin	New York Telephone
	Clifford Agnes Mrs	New York Telephone
	Corkhill Edw J	New York Telephone
	De Freitas Frank J	New York Telephone
	Dimasin S A	New York Telephone
	Fazzi G L	New York Telephone
	Ferro Jose A	New York Telephone
	Forrester Deborah	New York Telephone
	Hice J	New York Telephone
	Hyland Mae E	New York Telephone
	Kull Paul Mrs	New York Telephone
	Mancini Mario	New York Telephone
1970	Belardo A	New York Telephone
	Benson Ben	New York Telephone
	Chauncey Edwin	New York Telephone
	Clifford Agnes Mrs	New York Telephone
	Corkhill Edw J	New York Telephone
	DeFreitas Frank J	New York Telephone
	Fischetti Jos	New York Telephone
	Glaser Carole L	New York Telephone
	Haner Caroline	New York Telephone
	Hyland Mae E	New York Telephone
	Jehle Geo R	New York Telephone
	Kennedy Margaret	New York Telephone
	Keough Wm	New York Telephone
	Kull Paul Mrs	New York Telephone
	Lomnicki John	New York Telephone
	McLellan Jas A	New York Telephone
	Murray J P Mrs	New York Telephone
	Robinson Selma Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Shaw Mary Mrs	New York Telephone
	Smyth Marie	New York Telephone
	Styles Geraldine	New York Telephone
	Jerome Frank H	New York Telephone
	Jerome Gary	New York Telephone
1967	Belardo A	New York Telephone
	Benson Ben	New York Telephone

FINDINGS

Year	Uses	Source
1967	Burch John P Jr	New York Telephone
	Caezza Vincent M	New York Telephone
	Chauncey Lvynn E	New York Telephone
	Corkhill Edw J	New York Telephone
	Covell M P	New York Telephone
	Fischetti Jos	New York Telephone
	Haner Caroline	New York Telephone
	Hyland Mae E	New York Telephone
	Jehle Geo R	New York Telephone
	Kennedy Patk F	New York Telephone
	Keough Wm	New York Telephone
	Kull Paul Mrs	New York Telephone
	Lomnicki John	New York Telephone
	McLellan Jas A	New York Telephone
	Murray J P Mrs	New York Telephone
	Robinson Selma Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Shaw Mary Mrs	New York Telephone
	Smyth Marie	New York Telephone
	Streuber Antonie	New York Telephone
	Vine Agnes Mrs	New York Telephone
1962	Apel Gustav F	New York Telephone Directory
	Belardo A	New York Telephone Directory
	Benson Ben	New York Telephone Directory
	Caezza Vincent N	New York Telephone Directory
	Connolly Thos	New York Telephone Directory
	Corkhil Edw J	New York Telephone Directory
	Covell Mary P Mrs	New York Telephone Directory
	Cullen Mae Agnes	New York Telephone Directory
	Fischetti Jos	New York Telephone Directory
	Haner Caroline	New York Telephone Directory
	Hyland Mae E	New York Telephone Directory
	Jehle Geo R	New York Telephone Directory
	Kennedy Patk F	New York Telephone Directory
	Keough Wm	New York Telephone Directory
	McLellan Jas A	New York Telephone Directory
	Mulligan Gordon	New York Telephone Directory
	Murray J P Mrs	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Robinson Selma Mrs	New York Telephone Directory
	Rowan Jeanette Mrs	New York Telephone Directory
	Shaw Mary Mrs	New York Telephone Directory
	Smyth Marie	New York Telephone Directory
	Streuber Antonie	New York Telephone Directory
	Vine Agens Mrs	New York Telephone Directory
1945	Astey Helen M	New York Telephone
	Charles Christina E Mrs	New York Telephone
	McCarthy T Mrs	New York Telephone
	Moloney Mary Mrs	New York Telephone
	Rowan Jeanette Mrs	New York Telephone
	Wm	New York Telephone
	Wilson Danl Mrs	New York Telephone
1939	Behrens Ernest	New York Telephone Company
	Charles Pauline B	New York Telephone Company
	Mc Carthy Margaret V	New York Telephone Company
	Moloney Mary Mrs	New York Telephone Company
	Tancredi J M Miss	New York Telephone Company
1934	Alvaranga Anthony clk	R. L. Polk & Co.
	Alvaranga Ella Wid Aubrey	R. L. Polk & Co.
	Alvaranga Oswald clk	R. L. Polk & Co.
	Campeau Beth singer	R. L. Polk & Co.
	Casanova Teobaldo Carmen asst eng Pres Bror Q	R. L. Polk & Co.
	Corcoran Wm J real est agt	R. L. Polk & Co.
	Freidman Jesse D Rhoda phys	R. L. Polk & Co.
	Friedman Jesse D Rhoda phys	R. L. Polk & Co.
	Hand John jr Anna sctor	R. L. Polk & Co.
	Henley Cath candy pkr	R. L. Polk & Co.
	Hopwood Geo Cath stonectr	R. L. Polk & Co.
	Hyland Leslie May sheet metalwkr	R. L. Polk & Co.
	Jakobiak Francs J Dora traffic mgr	R. L. Polk & Co.
	Mc Carthy Thos Cath	R. L. Polk & Co.
	Minott Paul Ellen clk	R. L. Polk & Co.
	Murray John E Agnes collr Mhn	R. L. Polk & Co.
	Nine Wm Emily bldg supt	R. L. Polk & Co.
	Oliver Mary A walter	R. L. Polk & Co.
	Rowan Jeanette Mrs	R. L. Polk & Co.
	Scott Alice	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Scott Vera	R. L. Polk & Co.
	Shea Patk Alice tinsmith	R. L. Polk & Co.
	Smith Alice wid Timothy	R. L. Polk & Co.
	Smith Constance A G tchr	R. L. Polk & Co.
	Sokol DAvid Ida Sokol Pharmacy	R. L. Polk & Co.
	Thornton Chas Sybil clk	R. L. Polk & Co.
	Waldron Jas Margt	R. L. Polk & Co.
	Waldron Thos inspr	R. L. Polk & Co.
	Waldron Wm	R. L. Polk & Co.
	Waldron Wm jr carp	R. L. Polk & Co.

1115 46TH AVE

Year	Uses	Source
2008	SHINE ELECTRONICS INC	Cole Information Services

1124 46TH AVE

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 2 H h Asitimbay Luis	Hill-Donnelly Information Services
	Numbr BSMT h Banu Claudiu v	Hill-Donnelly Information Services
	Bautista Blanca Lydia v	Hill-Donnelly Information Services
	Bromberg r	Hill-Donnelly Information Services
	Numbr 4 Ch Callanta Aurora AT	Hill-Donnelly Information Services
	Numbr 2 F Cemente Beatrice	Hill-Donnelly Information Services
	Numbr 4 F 1 Ellis R	Hill-Donnelly Information Services
	Numbr 4 E h Gallagher Bessie	Hill-Donnelly Information Services
	Gheorghlta Sandica	Hill-Donnelly Information Services
	Guallpa Segundo	Hill-Donnelly Information Services
	Numbr 11 h Herrera Cedlia	Hill-Donnelly Information Services
	Numbr 3 J Hosie Raymond	Hill-Donnelly Information Services
	Numbr 38 Kim John	Hill-Donnelly Information Services
	Numbr 4D h Levy Murray	Hill-Donnelly Information Services
	Numbr 2 G h MNizquiri Ramon	Hill-Donnelly Information Services
	Numbr 4 J Morales Hermllo v	Hill-Donnelly Information Services
	Pastuzaca Juana	Hill-Donnelly Information Services
	Numbr 20 Perez George	Hill-Donnelly Information Services
	Numbr 33 Sollenberger Michael A v7	Hill-Donnelly Information Services
	Numbr 2 E Tellez A Ida M	Hill-Donnelly Information Services
	Zhumi Wilson	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2000	Apartments Jose Asitimbay	Cole Information Services
	Luis Asitimbay	Cole Information Services
	Blanca L Bautist	Cole Information Services
	Vanessa Bekk	Cole Information Services
	Aurora Callant	Cole Information Services
1991	Almodovar M	NYNEX Information Resource Company
	Castro Sivo	NYNEX Information Resource Company
	Diaz Iris	NYNEX Information Resource Company
	Diaz T	NYNEX Information Resource Company
	Dubovetz Adolph	NYNEX Information Resource Company
	Ellis R	NYNEX Information Resource Company
	Epure Gheorghe	NYNEX Information Resource Company
	Gallagher Bessie	NYNEX Information Resource Company
	Herrera M	NYNEX Information Resource Company
	Hosie Raymond	NYNEX Information Resource Company
	Kamen David M	NYNEX Information Resource Company
	Kenny Thos	NYNEX Information Resource Company
	Lee D	NYNEX Information Resource Company
	Levy Murray	NYNEX Information Resource Company
	Perez George	NYNEX Information Resource Company
	Perez George	NYNEX Information Resource Company
	Roman Washington	NYNEX Information Resource Company
	Taub Howard	NYNEX Information Resource Company
	Cacahimbo Graciela	NYNEX Information Resource Company
	Coello Patricia	NYNEX Information Resource Company
	Rossby Richard	NYNEX Information Resource Company
1983	Cacahimbo Graciela	New York Telephone
	Castro Leonardo	New York Telephone
	Castro Silvio	New York Telephone
	Constantine K	New York Telephone
	Dubovetz Norman	New York Telephone
	Gallagher Bessie	New York Telephone
	Herrera B	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny Thos	New York Telephone
	Levy Murray	New York Telephone
	Logan P V	New York Telephone
	Mendez Tom	New York Telephone

FINDINGS

Year	Uses	Source
1983	Perez George	New York Telephone
	Rojas Angel	New York Telephone
	Rosario Fernando	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Schmidt B J	New York Telephone
	Small Jas	New York Telephone
	Torres Willy	New York Telephone
	Walstein Van Allen	New York Telephone
1976	Camareno Agustine	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Dubovetz Norman	New York Telephone
	Ellis J	New York Telephone
	Gallagher Bessle	New York Telephone
	Geagan John	New York Telephone
	Herrera Blanca	New York Telephone
	Kenny John H	New York Telephone
	Kenny Thos	New York Telephone
	Levine Robert	New York Telephone
	Levy Murray	New York Telephone
1970	Bisignani Molly R	New York Telephone
	Cerra C	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Ellis J	New York Telephone
	Gallagher Bessie	New York Telephone
	Gambale Joseph	New York Telephone
	Geagan John	New York Telephone
	Harris C	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny John H	New York Telephone
	Kenny Thos	New York Telephone
	Levy Murray	New York Telephone
	Lozada Luis	New York Telephone
	Palacios Enrique	New York Telephone
	Pedi G C	New York Telephone
	Pelletier P J	New York Telephone
	Platte Jerry	New York Telephone
	Rojas Saturnino	New York Telephone
	Scharff Carrie Mrs	New York Telephone

FINDINGS

Year	Uses	Source
1970	Sheppard Wm C Jr	New York Telephone
	Small Jas	New York Telephone
	Wellstood Jas C	New York Telephone
	Wilson Max	New York Telephone
1967	Asaro Anthony Mrs	New York Telephone
	Baldi Frank	New York Telephone
	Bisignani Molly R	New York Telephone
	Bissainthe Serge	New York Telephone
	Cugliandro Ernesto	New York Telephone
	Ellis Robt Mrs	New York Telephone
	Finn Alexndr J	New York Telephone
	Gallagher Bessie	New York Telephone
	Geagan John	New York Telephone
	Goldner H	New York Telephone
	Hosie Raymond	New York Telephone
	Kenny John H	New York Telephone
	Kenny Thos	New York Telephone
	Kohler John M	New York Telephone
	Levy Murray	New York Telephone
	Pastuszek Andrew I	New York Telephone
	Pelletier P J	New York Telephone
	Ruffino Anthony	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Schiedat Ernest S	New York Telephone
	Sheppard Wm C Jr	New York Telephone
	Small Jas	New York Telephone
	Stepanek Eva Aglaja	New York Telephone
	Stepanek Francis L	New York Telephone
	Waryold Frank P	New York Telephone
	Wellstood Jas C	New York Telephone
	Wilson Max	New York Telephone
1962	Ambrosini Frank G	New York Telephone Directory
	Baldi Frank	New York Telephone Directory
	Bisignani Molly R	New York Telephone Directory
	Cohletti Geo	New York Telephone Directory
	DiSerio John	New York Telephone Directory
	Ferrini Julius	New York Telephone Directory
	Galassi Chas P	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Gallagher Bessie	New York Telephone Directory
	Geagan John	New York Telephone Directory
	Goldner Alex	New York Telephone Directory
	Hosie Raymond	New York Telephone Directory
	Kenny John H	New York Telephone Directory
	Kenny Thos	New York Telephone Directory
	McInerney Wm Jr	New York Telephone Directory
	Morgan Margaret M	New York Telephone Directory
	Newport Catherine Mrs	New York Telephone Directory
	Pedi Gertrude X	New York Telephone Directory
	Pelletier P J	New York Telephone Directory
	Platte Jerry	New York Telephone Directory
	Poletski Frank	New York Telephone Directory
	Scharff Carrie Mrs	New York Telephone Directory
	Sharkey Jas	New York Telephone Directory
	Sheppard Eddie	New York Telephone Directory
	Sheppard Wm C Jr	New York Telephone Directory
	Small Jas	New York Telephone Directory
	Stepanek Eva Aglaja	New York Telephone Directory
	Stepanek Francis L	New York Telephone Directory
	Visser Adrianus	New York Telephone Directory
	Waryold Frank P	New York Telephone Directory
	Wilson Max	New York Telephone Directory
1945	Acme Exterminating Co	New York Telephone
	Burnor Harry A	New York Telephone
	Ferrini Julius	New York Telephone
	Fioretti Carrie	New York Telephone
	Branch	New York Telephone
	Geagan John	New York Telephone
	Goldner Alex	New York Telephone
	McDonough Sarah C RN	New York Telephone
	Nestler Geo linolm	New York Telephone
	Piekema Susan	New York Telephone
	Sanders Max	New York Telephone
	Scharff Carrie Mrs	New York Telephone
	Stack Bertha Mrs	New York Telephone
	Branch	New York Telephone
	LIC office	New York Telephone

FINDINGS

Year	Uses	Source
1939	Curran John	New York Telephone Company
	Geagan John	New York Telephone Company
	Goldner Alex	New York Telephone Company
	Heidrich Carl	New York Telephone Company
	Stack Bertha Mrs	New York Telephone Company
1934	Barchak	R. L. Polk & Co.
	Losquardo Jennie drs opr	R. L. Polk & Co.
	Benedikt Simon Mary E carn	R. L. Polk & Co.
	Borngesser Balthasar Cath	R. L. Polk & Co.
	Braschi Resta Dora indrywkr	R. L. Polk & Co.
	Brosi Frank Marie garage	R. L. Polk & Co.
	Burnes Dolores tel opr	R. L. Polk & Co.
	Burnes Edw Margt hlpr	R. L. Polk & Co.
	Counumber Romeo mech	R. L. Polk & Co.
	Donovan Cath	R. L. Polk & Co.
	Ferino Martin Ethlel traffic mgr	R. L. Polk & Co.
	Geoghan John chauf	R. L. Polk & Co.
	Goldner Arth Mge sta eng	R. L. Polk & Co.
	Goldner Geo typist	R. L. Polk & Co.
	Kiefer Cath Mrs nurse	R. L. Polk & Co.
	Kotronis Benj Sarah restr Mhn	R. L. Polk & Co.
	Leone Philip Mary ice dlr	R. L. Polk & Co.
	Levy Miriam	R. L. Polk & Co.
	Losquardo Chas ice	R. L. Polk & Co.
	Losquardo Frances wid Jos	R. L. Polk & Co.
	Losquardo Jos clk	R. L. Polk & Co.
	Losquardo Margt slswn Mhn	R. L. Polk & Co.
	Losquardo Mary dress opr	R. L. Polk & Co.
	Lynskey Agnes wid Thos	R. L. Polk & Co.
	Mc Keough Jos Agnes chauf	R. L. Polk & Co.
	Olsen Marie tchr Queens Conta Sch	R. L. Polk & Co.
	Rannie Joy Mrs	R. L. Polk & Co.
	Rock Jas Rose pntr	R. L. Polk & Co.
	Shooter Cicely clk	R. L. Polk & Co.
	Shooter Geo Anna bldg supt	R. L. Polk & Co.
	Smillie Wm Esther rec clk	R. L. Polk & Co.
	Stack Thos Bertha chauf	R. L. Polk & Co.
	Ward Edw Helen clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Wiant Henry M heating	R. L. Polk & Co.
	Windhorst Anna nurse	R. L. Polk & Co.

1125 46TH AVE

Year	Uses	Source
1934	Lisanti Thos J Theresa firemn Dept WSG & E	R. L. Polk & Co.

1133 46TH AVE

Year	Uses	Source
1976	Receiving Dept	New York Telephone
1970	Receiving Dept	New York Telephone
1967	Receiving Dept	New York Telephone

1140 46TH AVE

Year	Uses	Source
2000	21ST ST INTS FROM	Cole Information Services
1934	Frisbie Edw W Irene pres Bowron Transfer Co Inc	R. L. Polk & Co.

1149 46TH AVE

Year	Uses	Source
1983	Queensboro Drawing Board Inc	New York Telephone

1220 46TH AVE

Year	Uses	Source
1939	Winkworth K M	New York Telephone Company

1314 46TH AVE

Year	Uses	Source
1991	Callas Peter	NYNEX Information Resource Company

1324 46TH AVE

Year	Uses	Source
1991	Tejada Idalia	NYNEX Information Resource Company

1424 46TH AVE

Year	Uses	Source
1967	Platte Jerry	New York Telephone

FINDINGS

1716 46TH AVE

Year	Uses	Source
2005	Marra J	Hill-Donnelly Information Services

1882 46TH AVE

Year	Uses	Source
1991	Troy J Auto	NYNEX Information Resource Company

20-04 46TH AVE

Year	Uses	Source
1950	BLASS EDW	New York Telephone

20-06 46TH AVE

Year	Uses	Source
1950	HANKE HERMAN	New York Telephone

20-08 46TH AVE

Year	Uses	Source
1950	PARODY AUBREY J JR	New York Telephone

20-10 46TH AVE

Year	Uses	Source
1950	GOLIASH JOS A	New York Telephone

20-12 46TH AVE

Year	Uses	Source
1950	ROSEBERRY ROBT C LT	New York Telephone

20-14 46TH AVE

Year	Uses	Source
1950	DUNTON JOHN T	New York Telephone

20-18 46TH AVE

Year	Uses	Source
1950	POVERELLI SAM	New York Telephone

20-20 46TH AVE

Year	Uses	Source
1950	OLM GEO	New York Telephone

20-22 46TH AVE

Year	Uses	Source
1950	REVMAN J	New York Telephone

FINDINGS

20-24 46TH AVE

Year	Uses	Source
1950	SMITH HARRY J	New York Telephone

20-25 46TH AVE

Year	Uses	Source
1950	JACOBSEN FRANK	New York Telephone

20-26 46TH AVE

Year	Uses	Source
1950	MULCAHY DAVID	New York Telephone

20-27 46TH AVE

Year	Uses	Source
1950	RUH CHAS F	New York Telephone

20-33 46TH AVE

Year	Uses	Source
1950	DI CICCO DOMINICK	New York Telephone

20-35 46TH AVE

Year	Uses	Source
1950	ROCHA ANTONIO	New York Telephone

20-37 46TH AVE

Year	Uses	Source
1950	WOLD JOHN F	New York Telephone

20-41 46TH AVE

Year	Uses	Source
1950	GOLINI UMBERTO	New York Telephone
	DADDARIO JOHN	New York Telephone

20-43 46TH AVE

Year	Uses	Source
1950	PARRIS GEO	New York Telephone

20-45 46TH AVE

Year	Uses	Source
1950	CAVALLO BURTON J	New York Telephone

FINDINGS

20-47 46TH AVE

Year	Uses	Source
1950	MANCHISI PETER M	New York Telephone

20-48 46TH AVE

Year	Uses	Source
1950	SMITH BERNARD MRS	New York Telephone

20-49 46TH AVE

Year	Uses	Source
1950	LA ROSA CHAS	New York Telephone

20-51 46TH AVE

Year	Uses	Source
1950	URICCHIO ANTHONY	New York Telephone

20-52 46TH AVE

Year	Uses	Source
1950	GOLDER CLARENCE S	New York Telephone
	ZAVOLL GINO	New York Telephone

20-53 46TH AVE

Year	Uses	Source
1950	HOLDEN LEON	New York Telephone

20-54 46TH AVE

Year	Uses	Source
1950	WALSH ANN M	New York Telephone
	STEMPEL ROBT L	New York Telephone

20-55 46TH AVE

Year	Uses	Source
1950	H	New York Telephone

20-56 46TH AVE

Year	Uses	Source
1950	BARBERE BENJ	New York Telephone

20-57 46TH AVE

Year	Uses	Source
1950	OKEEFE EDW A	New York Telephone

FINDINGS

2038 46TH AVE

Year	Uses	Source
1991	Zammit Joseph	NYNEX Information Resource Company

2040 46TH AVE

Year	Uses	Source
1945	Hefgold Realty Corpn off	New York Telephone

46TH RD

1037 46TH RD

Year	Uses	Source
2013	EMPIRE CITY IRON WKS	Cole Information Services
2008	EMPIRE CITY IRON WORKS	Cole Information Services
	BUILDING SPECIALTIES CORP	Cole Information Services
2005	Empire Iron City Works	Hill-Donnelly Information Services
	Heff Ser OS A	Hill-Donnelly Information Services
2000	Heffner Ri Est	Cole Information Services
	Empire Cty Irn Wks	Cole Information Services
1991	Hefgold Realty Co ofc	NYNEX Information Resource Company
	Heffner S O rl est	NYNEX Information Resource Company
1983	Hefgold Realty Co ofc	New York Telephone
	Heffner S O rlest	New York Telephone
1976	Empire City Iron Wks	New York Telephone
	Heffner S O rl est	New York Telephone
	Heffgold Realty Co ofc	New York Telephone
1970	Empire City Iron Wks	New York Telephone
	Heffner S O rl est	New York Telephone
	Hefgold Realty Co off	New York Telephone
1967	Empire City Iron Wks	New York Telephone
	Hefgold Realty Co ofc	New York Telephone
	Heffner S O rl est	New York Telephone
1962	Empire City Iron Wks	New York Telephone Directory
	Heffner S O rl est	New York Telephone Directory
	Hefgold Realty Corp ofc	New York Telephone Directory
1945	Smith Jos	New York Telephone
1939	Smith Jos	New York Telephone Company
1934	Lang Helen wid Wm	R. L. Polk & Co.

FINDINGS

1038 46TH RD

Year	Uses	Source
2013	24 TOWING & FLAT FIX 7 DAYS	Cole Information Services
	UNESCO NATIONAL SERVICES LLC	Cole Information Services
2005	Zucker Water Svc Corp 1 o	Hill-Donnelly Information Services
	Recepta Sign	Hill-Donnelly Information Services
	National Environmental Safety	Hill-Donnelly Information Services
	City Media Concepts Inc	Hill-Donnelly Information Services
2000	Ctywd Environ Svcs	Cole Information Services
	DJM Contrng Inc	Cole Information Services
1991	Zucker Water Service Corp	NYNEX Information Resource Company
1983	Zucker Water Service Corp	New York Telephone
1970	ZUCKER WATER SVCE CORP	New York Telephone
1967	Zucker Water Svce Corp	New York Telephone

1039 46TH RD

Year	Uses	Source
1945	Streilein Gertrude	New York Telephone
1934	Streilein Geo Kath lab	R. L. Polk & Co.
	Streilein Mary forwn	R. L. Polk & Co.
	Zimmer Walter R crane opr	R. L. Polk & Co.
	Coln Emidio Fannie lab	R. L. Polk & Co.
	Streilein Elsie wrapper	R. L. Polk & Co.

1040 46TH RD

Year	Uses	Source
1967	Towell Mary E Mrs	New York Telephone
1934	Mc Groary Connell Lillan porter	R. L. Polk & Co.
	King Chas Anna slsmn	R. L. Polk & Co.

1041 46TH RD

Year	Uses	Source
1945	Amato Frank	New York Telephone
1934	Bedford Gecil prsmn	R. L. Polk & Co.
	Acampora Angelo A Phys	R. L. Polk & Co.
	Curre Allan A police	R. L. Polk & Co.
	Killian Frank mech	R. L. Polk & Co.
	Bedford Harold Alice ship clk	R. L. Polk & Co.
	Capozzi Jos A Mildred phys	R. L. Polk & Co.

FINDINGS

1042 46TH RD

Year	Uses	Source
1967	Jerome T	New York Telephone
1962	Jerome T	New York Telephone Directory
1934	Jerome Anthony Theresa lab	R. L. Polk & Co.
	Maurd Esther clk	R. L. Polk & Co.
	Tucciarone John Elizabeth slsmn	R. L. Polk & Co.

1043 46TH RD

Year	Uses	Source
1945	Foley Harold	New York Telephone
1939	Spera Rocco	New York Telephone Company
1934	Fiazio Alf Sarah gro	R. L. Polk & Co.
	Morano Frank Florence tailor	R. L. Polk & Co.
	Spero Rocco Nellie carp	R. L. Polk & Co.

1044 46TH RD

Year	Uses	Source
2005	Rohrer Meilin	Hill-Donnelly Information Services
	HShah M U o	Hill-Donnelly Information Services
2000	Abubaker Ahmed	Cole Information Services
	Neil Deodhar	Cole Information Services
	Prema Deodhar	Cole Information Services
	Randall Haworth	Cole Information Services
	Suresh Panjabi	Cole Information Services
	P Yog	Cole Information Services
1991	Galassi Chas P	NYNEX Information Resource Company
1983	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1976	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1970	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1967	Duffy Jas	New York Telephone
	Galassi Chas P	New York Telephone
1962	Soriano Vincent A	New York Telephone Directory
1945	Soriano R	New York Telephone
1939	Soriano R	New York Telephone Company
1934	Soriano Carmelia wid Jas	R. L. Polk & Co.
	Soriano Frank lab	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Soriano Rocco Jennie refr eng	R. L. Polk & Co.

1045 46TH RD

Year	Uses	Source
1939	Foley Harold	New York Telephone Company
1934	Kirsch Louise	R. L. Polk & Co.
	Foley Horold J Eleanor acct Comnr of Accts	R. L. Polk & Co.

1046 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
1945	Howley A A	New York Telephone
1939	Howley A A	New York Telephone Company
1934	Howley Anne A fctywkr	R. L. Polk & Co.
	Howley Thos hlpr	R. L. Polk & Co.
	Howley Susan wid Martin	R. L. Polk & Co.
	Howley Mary fctywkr	R. L. Polk & Co.

1047 46TH RD

Year	Uses	Source
1934	Buchanan Wm H	R. L. Polk & Co.
	Buchanan Walter J clk dept taxes	R. L. Polk & Co.
	Buchanan Lotta	R. L. Polk & Co.
	Buchanan Francis J student	R. L. Polk & Co.
	Buchanan Emma	R. L. Polk & Co.

1048 46TH RD

Year	Uses	Source
2008	HAMILTON DESIGN SERVICES	Cole Information Services
2005	h Hamilton Thomas	Hill-Donnelly Information Services
2000	Thomas Hamilton	Cole Information Services
1991	Farrell T	NYNEX Information Resource Company
1970	Towers Jas F	New York Telephone
1967	Towers Jas F	New York Telephone
1962	Delaney Sarah	New York Telephone Directory
1939	Delaney Sarah	New York Telephone Company
1934	Crawford John handymn Mhn	R. L. Polk & Co.
	Evans Jas news dlr	R. L. Polk & Co.
	Flanagan John	R. L. Polk & Co.

Year	Uses	Source
1934	Mc Guril Mary Mrs	R. L. Polk & Co.
	Mc Gurl Jas Cath clk	R. L. Polk & Co.

1049 46TH RD

Year	Uses	Source
1945	Luisi J	New York Telephone
1939	Luisi J	New York Telephone Company
1934	Caruso Michl Mary electn	R. L. Polk & Co.
	Dwyer Timothy Margt mtrmn	R. L. Polk & Co.
	Luisi John Mary lab	R. L. Polk & Co.

1050 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	James M Morris	Cole Information Services
1983	Pepe Frank	New York Telephone
1970	Pepe Frank	New York Telephone
1967	Pepe Frank	New York Telephone
1962	Pepe Frank	New York Telephone Directory
1945	Pepe Frank	New York Telephone
1939	Pepe Frank	New York Telephone Company
1934	Pepe Angelo clk Mhn	R. L. Polk & Co.
	Pepe Frank Carmela formn	R. L. Polk & Co.

1051 46TH RD

Year	Uses	Source
1945	Mason Mary	New York Telephone
1939	Mason Mary	New York Telephone Company
1934	Mason Francis lab	R. L. Polk & Co.
	Mason Helen clk	R. L. Polk & Co.
	Mason Howard electn	R. L. Polk & Co.
	Mason Michl F Mary formn	R. L. Polk & Co.

1052 46TH RD

Year	Uses	Source
2005	Major Model Management	Hill-Donnelly Information Services
2000	Pallitto	Cole Information Services
1991	Katz R	NYNEX Information Resource Company
1983	Katz R	New York Telephone
	Stevens A	New York Telephone

Year	Uses	Source
1934	Martinez Frank Mary chauf	R. L. Polk & Co.
	Norton Keth Mrs	R. L. Polk & Co.

1054 46TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2000	11TH ST INTS FROM	Cole Information Services
1962	Luparallo Santo	New York Telephone Directory
	Caruso Michl A	New York Telephone Directory
1945	Agoglia Felice	New York Telephone
1939	Agoglia Felice	New York Telephone Company
1934	Lotito Pasquale Fannie chauf	R. L. Polk & Co.
	Agoglia Philip Mary inspr	R. L. Polk & Co.
	Agoglia Rose mach opr	R. L. Polk & Co.

1056 46TH RD

Year	Uses	Source
1991	Rentokil Inc	NYNEX Information Resource Company
1934	Ellue Vincent Kath chauf	R. L. Polk & Co.
	Nardella Phillip Louise lab	R. L. Polk & Co.

1084 46TH RD

Year	Uses	Source
1934	Delaney Sarah hsekpr	R. L. Polk & Co.
	De Laney Sarah hsekpr	R. L. Polk & Co.

1103 46TH RD

Year	Uses	Source
2005	Krohn David	Hill-Donnelly Information Services
1991	Advanced Telephonics Inc	NYNEX Information Resource Company
	LI Pencil Co	NYNEX Information Resource Company
	Vendcom Inc	NYNEX Information Resource Company
1983	Terrys Delivry Svc	New York Telephone
	A 1 Asphalt Corp	New York Telephone
	Consumer Home Improvements Co	New York Telephone
	G & K Svce Co	New York Telephone
	Internatl Shoe Mach Corp	New York Telephone
	International Shoppes JFK Intratnl Airpt @Jamaica@	New York Telephone
	Internatl Shoppes Inc J F K Introat Airpt ABBREV Idlwld	New York Telephone

FINDINGS

Year	Uses	Source
1983	International Shoppes Inc JFK Intrntnl Airpt @Jamaica@	New York Telephone
	LI City Answrng Svce	New York Telephone
	Loma Duplicating Supl Co	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI Pencil Co	New York Telephone
	Playmates Orchestras	New York Telephone
	S & E Waste Oil Inc	New York Telephone
	Satellite Air Freight Inc	New York Telephone
	Tri County Maintenance	New York Telephone
	Universal Maintenance Svce	New York Telephone
	Varus Constr Corp	New York Telephone
	A Plus Answering Svce	New York Telephone
	A Plus Answering Svce	New York Telephone
	Artistic Royalties Inc	New York Telephone
	Astoria Ans Svc	New York Telephone
	Astoria Answering Svce	New York Telephone
	Blomberg Martin b	New York Telephone
	Cleveland Air Forwarding Inc	New York Telephone
	Colonial Carting Corp	New York Telephone
	Compo Industries Inc	New York Telephone
1976	A Plus Answering Svce	New York Telephone
	Air Conditioning Erection Corp	New York Telephone
	Astoria Answering Svce	New York Telephone
	Bunas A R b	New York Telephone
	Colonial Carting Corp	New York Telephone
	Compo Industries Inc	New York Telephone
	Cosmopolitan Detective Bur	New York Telephone
	Court Maintenance	New York Telephone
	Crandall Can Filler Mach Co	New York Telephone
	Dempsey Equip Co Inc	New York Telephone
	Inter County Svce Inc	New York Telephone
	J & S Hydraulics Inc	New York Telephone
	JOHN KS REFRIGERATION SVCE	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI City Answrng Svce	New York Telephone
	LI Pencil Co	New York Telephone
1970	Ace Tel Svce	New York Telephone
	Acme Wrecking Corp yd	New York Telephone

FINDINGS

Year	Uses	Source
1970	Andover Protective Svces Inc	New York Telephone
	CCTW Corp	New York Telephone
	Compo Industries Inc	New York Telephone
	Inter County Svce Inc	New York Telephone
	INTER OUNTY TITLE GUAR & MORTGAGE CO	New York Telephone
	J & S Hydraulics Inc	New York Telephone
	LI City Answrng Svce	New York Telephone
	Lectroetch Co	New York Telephone
	LI City Answing Svce	New York Telephone
	Queens Telephone Secretary Inc	New York Telephone
	QUEENS TELEPHONE SECRETARY INC	New York Telephone
	Branch Offices	New York Telephone
	Branch Offices	New York Telephone
	Wenger & Petrucci Inc photgr	New York Telephone
1967	Ace Tel Svce	New York Telephone
	Adams A M Realty & Ins	New York Telephone
	Cord Photocopy Specialists Inc	New York Telephone
	LI City Answrng Svce	New York Telephone
	Lectroetch Co	New York Telephone
	LI City Answrng Svce	New York Telephone
	Shop at Home Food Plan	New York Telephone
	Telautogiaph Corp sales & svce	New York Telephone
	Unity Elec Contrctg Co	New York Telephone
	World Wide Extrmintg Corp	New York Telephone
1962	Ace Tel Svce	New York Telephone Directory
	Acme Extrmintg Co	New York Telephone Directory
	Fumex Sanitation Inc	New York Telephone Directory
	Branch	New York Telephone Directory
	Harrison Al retl lumbr	New York Telephone Directory
	LI City Answrng Svce	New York Telephone Directory
	Lectroetch Salec & Svce	New York Telephone Directory
	LI City Answrng Svce	New York Telephone Directory
	Marion Cigarette Vending Svce	New York Telephone Directory
	Branch Offices	New York Telephone Directory
	QUEENS TEL SECRETARY	New York Telephone Directory
	QUEENS TEL SECRETARY	New York Telephone Directory
	Branch Offices	New York Telephone Directory
	WorldWide Extrmintg Corp	New York Telephone Directory

FINDINGS

1115 46TH RD

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	h Alisoun Meehan	Hill-Donnelly Information Services
	Begani Dzafer 4 P	Hill-Donnelly Information Services
	h Cantanno Lena	Hill-Donnelly Information Services
	Numbr 4 A h Davis Glen C	Hill-Donnelly Information Services
	Numbr 2 H h Evangelista Amor	Hill-Donnelly Information Services
	Numbr 18 Foret Tanya & Eric	Hill-Donnelly Information Services
	Numbr 3 A Franceus Cynthia	Hill-Donnelly Information Services
	Numbr 2 C Greenberg Elizabeth	Hill-Donnelly Information Services
	Numbr 2 E h Hossain Mohammed Ao	Hill-Donnelly Information Services
	Numbr 2 G Kat Nami	Hill-Donnelly Information Services
	Numbr 4 J Kowles Robert C	Hill-Donnelly Information Services
	Numbr 2 A La Penna Louise Av	Hill-Donnelly Information Services
	Numbr 41 Maloney Marian A	Hill-Donnelly Information Services
	Numbr 3 E Marchik Ekaterina	Hill-Donnelly Information Services
	Numbr 4 G Sagan Stephanie Mrs AV	Hill-Donnelly Information Services
	Numbr 4 F h Sullivan Philip T A 7 718 786 5170 s	Hill-Donnelly Information Services
	Numbr 1 A Tanalsid Adam Av	Hill-Donnelly Information Services
	Tanalsid Joseph C	Hill-Donnelly Information Services
	Teperino Denise A	Hill-Donnelly Information Services
	Numbr 21 Ting Luz R A	Hill-Donnelly Information Services
	Numbr 13 Vaccaro Goria	Hill-Donnelly Information Services
	Zabojova D v	Hill-Donnelly Information Services
2000	Apartments Michele Brenen	Cole Information Services
	James Byrne	Cole Information Services
	Lena Cantanno	Cole Information Services
	Luis Carchi	Cole Information Services
	Lisa Coleman	Cole Information Services
	A Glen Davis	Cole Information Services
	Melissa Dempsey	Cole Information Services
	Evangeline Genet	Cole Information Services
	Cort Huckabone	Cole Information Services
1991	Sullivan R R	NYNEX Information Resource Company
	Mc Guggart Eugene	NYNEX Information Resource Company
	Sullivan Philip T	NYNEX Information Resource Company
	Berke Allen	NYNEX Information Resource Company
	Caggiano Lawrence	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Cantanno Jos	NYNEX Information Resource Company
	Dillon Robert	NYNEX Information Resource Company
	Drew Kim	NYNEX Information Resource Company
	Hankinson Jeffrey B	NYNEX Information Resource Company
	Just Joe	NYNEX Information Resource Company
	La Penna Robt W	NYNEX Information Resource Company
	Mac Namara Art	NYNEX Information Resource Company
	Murphy M	NYNEX Information Resource Company
	Plaut Kimson	NYNEX Information Resource Company
	Reid Joseph	NYNEX Information Resource Company
	Sagan Stephanie Mrs	NYNEX Information Resource Company
	Tanalski Adam	NYNEX Information Resource Company
	Tanalski Jos	NYNEX Information Resource Company
	Ting L	NYNEX Information Resource Company
	Tully Jas M	NYNEX Information Resource Company
	Wangerman B	NYNEX Information Resource Company
1983	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Dailey Jas J	New York Telephone
	Denik L A	New York Telephone
	Grullon Miguel A	New York Telephone
	Herrick Kim	New York Telephone
	Kulak Gary	New York Telephone
	La Penna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	Mcinerney Wm Jr	New York Telephone
	Petrilla Florence	New York Telephone
	Reid Joseph	New York Telephone
	Sagan Stephanie Mrs	New York Telephone
	Sobanski John H	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Wangerman John	New York Telephone
1976	Daly John	New York Telephone
	Denk L A	New York Telephone
	Hurtado Jesus	New York Telephone
	La Penna Robt W	New York Telephone
	Alonso Benigno	New York Telephone

FINDINGS

Year	Uses	Source
1976	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone
1970	Beech E	New York Telephone
	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone
	Daly John	New York Telephone
	Denk L A	New York Telephone
	Gallegos Oswaldo	New York Telephone
	Grande Vincent	New York Telephone
	Hajek Wm	New York Telephone
	Jaime Maria L	New York Telephone
	LaPenna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	McInerney Wm Jr	New York Telephone
	Sagan Stephanie Mrs	New York Telephone
	Sanabria Johna R	New York Telephone
	Schlein Isidore	New York Telephone
	Sobanski John H	New York Telephone
	Sullivan Philip T	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Velasco Arselmo	New York Telephone
	Walsh Robt	New York Telephone
	Wangerman John	New York Telephone
	Ward Mary Mrs	New York Telephone
	Weinmann Jos	New York Telephone
	Woodall John E	New York Telephone
	McGuggart Eugene	New York Telephone
1967	McGuggart Eugene	New York Telephone
	Beech Robt	New York Telephone
	Caggiano Lawrence	New York Telephone
	Cantanno Jos	New York Telephone
	Conway Richd J	New York Telephone
	Dailey Jas J	New York Telephone

FINDINGS

Year	Uses	Source
1967	Daly John	New York Telephone
	Denk L A	New York Telephone
	Echart Jose R	New York Telephone
	Giakoumis Stylianos	New York Telephone
	Grande Vincent	New York Telephone
	Hajek Wm	New York Telephone
	LaPenna Robt W	New York Telephone
	Lotito Patsy	New York Telephone
	McInerney Win Jr	New York Telephone
	Pantalon Mike	New York Telephone
	Sobanski John H	New York Telephone
	Sullivan Philin T	New York Telephone
	Tanalski Jos	New York Telephone
	Tully Jas M	New York Telephone
	Wald Carl	New York Telephone
	Wangerman John	New York Telephone
	Ward Mary Mrs	New York Telephone
	Weinmann Jos	New York Telephone
	West Eugene V	New York Telephone
	Wittman Wm J	New York Telephone
	Woodall John E	New York Telephone
1962	McGuggart Eugenle	New York Telephone Directory
	Beech Robt	New York Telephone Directory
	Burns Edw	New York Telephone Directory
	Cantanno Jos	New York Telephone Directory
	Conway Richd J	New York Telephone Directory
	Dailey Jas J	New York Telephone Directory
	Daly John	New York Telephone Directory
	DiMantova Robt S	New York Telephone Directory
	Funk Roht	New York Telephone Directory
	Hajek Wm	New York Telephone Directory
	Loss Jos J	New York Telephone Directory
	Lotito Patsy	New York Telephone Directory
	Mason M	New York Telephone Directory
	Morrison May Mrs	New York Telephone Directory
	Sobanski John H	New York Telephone Directory
	Sullivan Philip T	New York Telephone Directory
	Tanalski jos	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Tully Jas M	New York Telephone Directory
	Wald Carl	New York Telephone Directory
	Wangerman John	New York Telephone Directory
	Weinmann Jos	New York Telephone Directory
	West Eugene V	New York Telephone Directory
	Wittman Wm J	New York Telephone Directory
	Woodall John E	New York Telephone Directory
1945	Atkinson Margaret C	New York Telephone
	Frieder Louis	New York Telephone
	Lutz Kathryn Mrs	New York Telephone
	Mona Geraldine R Mrs	New York Telephone
1939	Brosi F	New York Telephone Company
	Frieder Louis	New York Telephone Company
	Matera Connie	New York Telephone Company
	Mona Geraldine R Mrs	New York Telephone Company
	Smyth Jos	New York Telephone Company
1934	Daly John J Helen clk	R. L. Polk & Co.
	DAvis Thos W Anna mach	R. L. Polk & Co.
	Ferrini Julius Vincenta blksmith	R. L. Polk & Co.
	Fontana Jos Olga bkpr	R. L. Polk & Co.
	Galemmo John Elvira pntr	R. L. Polk & Co.
	Grace Emma	R. L. Polk & Co.
	Grace Mary wid John	R. L. Polk & Co.
	Grega Andrew Myra chauf	R. L. Polk & Co.
	Hague Sarah	R. L. Polk & Co.
	Beech Robt Eleanor plstr	R. L. Polk & Co.
	Conklin Asa Agnes ins agt	R. L. Polk & Co.
	Conners John slsmn Mhn	R. L. Polk & Co.
	Connor John J jr	R. L. Polk & Co.
	Curran John Sarah mgr Mhn	R. L. Polk & Co.
	Hennessey John elev opr	R. L. Polk & Co.
	Kornreich Chas Ethel lab	R. L. Polk & Co.
	Lamb Geo Alice clk Mhn	R. L. Polk & Co.
	Le Blanc Domana G Emily barber Mhn	R. L. Polk & Co.
	Luhrs Otto Hannah clk	R. L. Polk & Co.
	Murphy John Mary clk	R. L. Polk & Co.
	OConnell Jas J Rose	R. L. Polk & Co.
	OConnell Jas J jr acct	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Ottenstein Benj Rose tailor	R. L. Polk & Co.
	Polhamus Richd Marie blksmith	R. L. Polk & Co.
	Remant Asco Blanche lab	R. L. Polk & Co.
	Roberts Emrys Rene bkpr	R. L. Polk & Co.
	Roberts Jack clk Mhn	R. L. Polk & Co.
	Schmidt Emil Elsie baker	R. L. Polk & Co.
	Smyth Jos	R. L. Polk & Co.
	Walsh Cath wid Jas	R. L. Polk & Co.
	West Wm A Rose ship clk	R. L. Polk & Co.
	White Frank Mary msngr	R. L. Polk & Co.
	Thornton Robt Mary bldg supt	R. L. Polk & Co.

1118 46TH RD

Year	Uses	Source
2013	ARISTA WOOD WORKING CO INC	Cole Information Services
2008	ARISTA WOOD WORKING CO INC	Cole Information Services
2005	Arista Wood Working Co Inc	Hill-Donnelly Information Services
	Papagianis	Hill-Donnelly Information Services
2000	Dimitri Kiousis	Cole Information Services
	D & D Cabinetry	Cole Information Services
	D & D Upholsterers	Cole Information Services
1983	Val Diano Restrnt	New York Telephone
1976	Kannan Luncheonette	New York Telephone
1970	Kannan Luncheonette	New York Telephone
1967	K Raft Corp	New York Telephone
1962	Flaacke Wm grocry	New York Telephone Directory
1945	Flaacke Wm delctsn	New York Telephone
	Nejelski Cecile Mrs	New York Telephone
1939	Hafke Hugo uphlstr	New York Telephone Company
	Flaacke Wm delctsn	New York Telephone Company
1934	J & S Cleaning & Dyeing John and Sander Scheida	R. L. Polk & Co.
	Klein Martin Margt delicatessen	R. L. Polk & Co.
	Klien Martin Margt delicatessen	R. L. Polk & Co.
	Schieda John J & S Clnrs & Dyers	R. L. Polk & Co.
	Schieda Sander Anna J & S Clnrs & Dyers	R. L. Polk & Co.

FINDINGS

1120 46TH RD

Year	Uses	Source
2013	ALEXANDRA INTERNATIONAL	Cole Information Services
	QJC LLC	Cole Information Services
2008	W W JEWELERS INC	Cole Information Services
	ALEXANDER INTERNATIONAL INC	Cole Information Services
2005	W & W Mfg Jew	Hill-Donnelly Information Services
	Qjcllc	Hill-Donnelly Information Services
	Alexandra International	Hill-Donnelly Information Services
2000	Zenith Grphc Supl	Cole Information Services
	Wayne Grphc Prods	Cole Information Services
	Movielab	Cole Information Services
	Alexandra Intrntl	Cole Information Services
1991	Color Graphic Press Inc	NYNEX Information Resource Company
	Wayne Graphic Prods Ltd	NYNEX Information Resource Company
	Zenith Graphic Supl Inc	NYNEX Information Resource Company
1983	Zenith Graphic Supl Inc	New York Telephone
	Jewel Press	New York Telephone
	Gilshire Corp	New York Telephone
	Color Graphic Press Inc	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
1976	Alman Prods Corp	New York Telephone
1970	Posterloid Corp	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
	Zenith Graphic Supl Inc	New York Telephone
1967	Posterloid Corp	New York Telephone
	Wayne Graphic Prods Ltd	New York Telephone
	Zenith Graphic Supl Inc	New York Telephone
1962	Posterloid Corp	New York Telephone Directory
	Thompson Judson L Mfg Co rivets	New York Telephone Directory
	Thomson Judson L Mfg Co rivets	New York Telephone Directory

1125 46TH RD

Year	Uses	Source
2008	GROOVESTRINGS	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Albanese Rosella v	Hill-Donnelly Information Services
	Berti Leonardo v	Hill-Donnelly Information Services
	Betancourt A A	Hill-Donnelly Information Services
	Numbr 38 Bondurant Francis AV	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 4D Formnan K v	Hill-Donnelly Information Services
	Numbr 3 F Gallegos Oswaldo AO	Hill-Donnelly Information Services
	Numbr 4 C h Gross Todd 718 392 6483 o	Hill-Donnelly Information Services
	Numbr 3 E h Hendricks Daniel C	Hill-Donnelly Information Services
	Klriyama Tadahiro v	Hill-Donnelly Information Services
	Laghezza Pasquale Vito Rev	Hill-Donnelly Information Services
	Numbr 1 J Mckinley Daniel	Hill-Donnelly Information Services
	Numbr IG h Medaglia Angela	Hill-Donnelly Information Services
	Numbr 31 h Richardson Gary AO	Hill-Donnelly Information Services
	h Tooker Alexander AO 718 361 6186 a	Hill-Donnelly Information Services
	Toro A vv	Hill-Donnelly Information Services
	Warren Daniel C 718 392 2774 o	Hill-Donnelly Information Services
	Numbr 2 B h Waryold Patrick Av	Hill-Donnelly Information Services
2000	Apartments Sharon Best	Cole Information Services
	H A Betancourt	Cole Information Services
	B Francis Bondurant	Cole Information Services
1991	Weisenberg Bruce	NYNEX Information Resource Company
	Bell R	NYNEX Information Resource Company
	Bley Laurie	NYNEX Information Resource Company
	Blum Julius	NYNEX Information Resource Company
	Castano Ivan D	NYNEX Information Resource Company
	Ceballos Maria	NYNEX Information Resource Company
	Ceballos N	NYNEX Information Resource Company
	Di Masi L	NYNEX Information Resource Company
	Doukas Thomas	NYNEX Information Resource Company
	Emanuel A	NYNEX Information Resource Company
	Gallegos Oswaldo	NYNEX Information Resource Company
	Haislip T	NYNEX Information Resource Company
	Lindquist Michael	NYNEX Information Resource Company
	Mahe Thierry	NYNEX Information Resource Company
	Morrison W E	NYNEX Information Resource Company
	Nuyen D M	NYNEX Information Resource Company
	Ospina Libardo	NYNEX Information Resource Company
	Paino Thomas	NYNEX Information Resource Company
	Smiler John F	NYNEX Information Resource Company
	Tomlinson Sonya K	NYNEX Information Resource Company
	Tooker Alexander	NYNEX Information Resource Company
	Toscano Paula Mrs	NYNEX Information Resource Company

FINDINGS

Year	*Uses*	*Source*
1991	Valenzuela Marina	NYNEX Information Resource Company
	Waryold Patk	NYNEX Information Resource Company
1983	Betancourt A	New York Telephone
	Bondurant Francis	New York Telephone
	Carroll M J	New York Telephone
	Di Masoi L	New York Telephone
	Evangelista Thomas A	New York Telephone
	Foley K	New York Telephone
	Gallegos Oswaldo	New York Telephone
	Gunaydin Hasim	New York Telephone
	Krol Walter F	New York Telephone
	Mencia Paulino	New York Telephone
	Morrison Wiliam E	New York Telephone
	Ospina Libardo	New York Telephone
	Plotch Benjie	New York Telephone
	Russo Rose	New York Telephone
	Sharkey William	New York Telephone
	Smiler John F	New York Telephone
	Tomlinson Sonya K	New York Telephone
	Toscano Paula Mrs	New York Telephone
	Valenzuela Marina	New York Telephone
	Waryold Patk	New York Telephone
1976	Aguirre John	New York Telephone
	Barsoumian Roupen	New York Telephone
	Becerra B	New York Telephone
	Becerra Jose M	New York Telephone
	Betancourt A	New York Telephone
	Bondurant Francis	New York Telephone
	Cardona Aldemar	New York Telephone
	Emanuel A	New York Telephone
	Evangelista Thomas A	New York Telephone
	Gallegos Oswaldo	New York Telephone
1970	Lozito Wm	New York Telephone
	Mahatcek Jos	New York Telephone
	Mason M	New York Telephone
	Panizzi Tommie	New York Telephone
	Pecoreno L	New York Telephone
	Persson Ethel	New York Telephone

FINDINGS

Year	Uses	Source
1970	Pines Frieda Mrs	New York Telephone
	Pound Wm	New York Telephone
	Sargeant G	New York Telephone
	Schroder Wm H	New York Telephone
	Smiler John F	New York Telephone
	Waryold Patk	New York Telephone
	Weiland Jos	New York Telephone
	Aguirre John	New York Telephone
	Asaro Anthony Mrs	New York Telephone
	Becerra B	New York Telephone
	Cappa Angelo C	New York Telephone
	Cosomano Anthony	New York Telephone
	Emanuel A	New York Telephone
	Evangelista Thomas A	New York Telephone
	Garay Lesbia	New York Telephone
	Garramone Patsy	New York Telephone
	Gioso Michl	New York Telephone
	Grochowski Mary	New York Telephone
	Grogan Brian	New York Telephone
	Krol Walter T	New York Telephone
	Levesque Ethel M	New York Telephone
1967	Becerra B	New York Telephone
	Cappa Angelo C	New York Telephone
	Cosomano Anthony	New York Telephone
	Emanuel A	New York Telephone
	Garramone Patsy	New York Telephone
	Gioso Michl	New York Telephone
	Grochowski Mary	New York Telephone
	Grochowski Timothy J	New York Telephone
	J M E Fuel	New York Telephone
	Krol Walter T	New York Telephone
	Levesque Ethel M	New York Telephone
	Lozito Wm	New York Telephone
	Mahatcek Jos	New York Telephone
	Mason M	New York Telephone
	Panizzi Tommie	New York Telephone
	Pines Frieda Mrs	New York Telephone
	Pound Wm	New York Telephone

FINDINGS

Year	Uses	Source
1967	Sargeant G	New York Telephone
	Schroder Wm H	New York Telephone
	Schultze Herman	New York Telephone
	Smiler John F	New York Telephone
	Toscano Paula Mrs	New York Telephone
	Waryold Patk	New York Telephone
	Weiland Jos	New York Telephone
1962	Blum Julius	New York Telephone Directory
	Burch John J	New York Telephone Directory
	Cannavina Danny	New York Telephone Directory
	Cappa Angelo C	New York Telephone Directory
	Cosomano Anthony	New York Telephone Directory
	Emanuel A	New York Telephone Directory
	Foster Geo L	New York Telephone Directory
	Garramones Pastry Shop	New York Telephone Directory
	Gennaro A E	New York Telephone Directory
	Jesse Geo J	New York Telephone Directory
	Jozwiak Jos R	New York Telephone Directory
	Krol Walter T	New York Telephone Directory
	Lozito Wm	New York Telephone Directory
	Mahatcek Jos	New York Telephone Directory
	McCabe Mary Mrs	New York Telephone Directory
	McCarthy H	New York Telephone Directory
	ODonnell John	New York Telephone Directory
	Panizzi Tommie	New York Telephone Directory
	Persson Eric	New York Telephone Directory
	Pound Wm	New York Telephone Directory
	Schroder Wm H	New York Telephone Directory
	Schultze Helen F	New York Telephone Directory
	Toscano Paula Mrs	New York Telephone Directory
	Versaci Bessie M	New York Telephone Directory
	Waryold Patk	New York Telephone Directory
	Weiland Jos	New York Telephone Directory
	Wittman Wm	New York Telephone Directory
1945	Geller Frank	New York Telephone
	ODonnell John	New York Telephone
	Pines David	New York Telephone
	Plunkett C W	New York Telephone

FINDINGS

Year	Uses	Source
1945	Schmidt Alfred	New York Telephone
	Schultz Helen F	New York Telephone
	Abrams Rose Mrs	New York Telephone
	Biancaniello Louis Jr	New York Telephone
	Burch John J	New York Telephone
	Cohen Jos	New York Telephone
	Foster Geo L	New York Telephone
1939	Burch John J	New York Telephone Company
	Cappa Angelo	New York Telephone Company
	Daley Edw F	New York Telephone Company
	Geller Frank	New York Telephone Company
	Kalb Henry	New York Telephone Company
	Morris Barbara Mrs	New York Telephone Company
	Nadel Hannah Mrs	New York Telephone Company
	Plunkett C W	New York Telephone Company
	Simmons Loretta	New York Telephone Company
1934	Kopacky Mary wid Frank	R. L. Polk & Co.
	Larkins Agnes sten	R. L. Polk & Co.
	Larkins Alice clk	R. L. Polk & Co.
	Mahoney Mary sten	R. L. Polk & Co.
	Mahoney Michl Mary lab	R. L. Polk & Co.
	Mc Kearney Lawrence J Mary police	R. L. Polk & Co.
	Mc Namara Mathew Mary clk	R. L. Polk & Co.
	Morris Alex T Barbara stone ctr	R. L. Polk & Co.
	Natali Jos Mary artist	R. L. Polk & Co.
	OConnor Jas	R. L. Polk & Co.
	OConnor Margt sten	R. L. Polk & Co.
	OConnor Nora wid John	R. L. Polk & Co.
	Ott Howard Theresa brkmn	R. L. Polk & Co.
	Peck Delia Mrs waiter	R. L. Polk & Co.
	Petterson Geo Agtrid firemn	R. L. Polk & Co.
	Smith Thos garage	R. L. Polk & Co.
	Sullivan Frank J Mary real est	R. L. Polk & Co.
	Swersky Abr Dora chef	R. L. Polk & Co.
	Swersky Frank soda dispeser	R. L. Polk & Co.
	Abrahams Emanuel Rose New York Multigraphing Co	R. L. Polk & Co.
	Abrams Emanuel Rose	R. L. Polk & Co.
	Alterman Jacob	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Bottjer Martin Anna clk	R. L. Polk & Co.
	Caiveo Frank C city firemn	R. L. Polk & Co.
	Cappa Angelo C Pauline frt mgr	R. L. Polk & Co.
	De Canio Michl Concetta pntr tnd decorator	R. L. Polk & Co.
	Geise Harold C Lillian slsmn Sears Roebuck & Co Inc	R. L. Polk & Co.
	Gossow Frank Martha supt	R. L. Polk & Co.
	Harper Mabel E sten Pres Boro Q	R. L. Polk & Co.
	Koch Anna Mrs	R. L. Polk & Co.
	Kopacky Edna sten	R. L. Polk & Co.
	Kopacky Jessie sten	R. L. Polk & Co.

1126 46TH RD

Year	Uses	Source
1970	Globe Book Co Inc	New York Telephone

1130 46TH RD

Year	Uses	Source
2000	& T Inc	Cole Information Services
1970	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Service Branch of York Corporation	New York Telephone
	York Wholesalers Parts & Supls	New York Telephone
1967	York Wholesalers Parts & Supls	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Wholesalers Wholesale Branch of York Corp	New York Telephone
	York Service Branch of York Corporation	New York Telephone
1962	YORK CONTRACTORS	New York Telephone Directory

1131 46TH RD

Year	Uses	Source
2013	ZERO CAL BEVERAGES INC	Cole Information Services
	JUST DO IT INCORPORATED	Cole Information Services
2008	CENTEX M F S	Cole Information Services
2005	Sylvin Trading Inc	Hill-Donnelly Information Services
	Prism Communications	Hill-Donnelly Information Services
	Arielle International Inc	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Centex MFS	Hill-Donnelly Information Services
2000	Allgnc Ticm Inc	Cole Information Services
	Prism Cmmnctns	Cole Information Services
1962	Schultz C A b	New York Telephone Directory
1945	Bryson Jas A b	New York Telephone
	Carmody Francis J b	New York Telephone
	Gorton T I b	New York Telephone
	Schlieben W F b	New York Telephone
	Schultz Chas A b	New York Telephone
	Staples Clarence P b	New York Telephone
1939	Ingram W U b	New York Telephone Company
	Schultz Chas A b	New York Telephone Company
	Bartlett Chas D b	New York Telephone Company

1134 46TH RD

Year	Uses	Source
2008	ZYLO WARE CORP	Cole Information Services
1991	Zylo Ware Corp	NYNEX Information Resource Company
1983	Genl Information	New York Telephone
	Order Department	New York Telephone

1136 46TH RD

Year	Uses	Source
2013	PETROSSIAN	Cole Information Services
	ZYLO WARE CORP	Cole Information Services
2008	THUNDER INDUSTRIES INC	Cole Information Services
	ZYLOWARE CORP	Cole Information Services
2005	Zylo Ware Corp	Hill-Donnelly Information Services
2000	Zylo Ware Corp	Cole Information Services
1967	York Wholesalers Wholesale Branch of York Corp	New York Telephone
1962	York Wholesalers	New York Telephone Directory
	York Wholesalers Wholesale Branch of York Corp	New York Telephone Directory

1142 46TH RD

Year	Uses	Source
2013	WEST GROUP CREATIVE	Cole Information Services
	AMERICAN CONTRACTING COMPANY INCORPO	Cole Information Services
	AMERICAN CONTRACTING CO INC	Cole Information Services

FINDINGS

Year	Uses	Source
2013	RELIABLE MECHANICAL PLUMBING & HEATI	Cole Information Services
	MANHATTAN COOLING TOWERS INC	Cole Information Services
2005	Laminall Inc 2 s 718 786 6480 s	Hill-Donnelly Information Services
2000	Laminalle Inc	Cole Information Services
1991	A & B Realty	NYNEX Information Resource Company
	LAMINALL PLASTICS CO	NYNEX Information Resource Company
	Memento Assocs plastic laminators	NYNEX Information Resource Company
	Silhouette Drywall Systems Inc	NYNEX Information Resource Company
1983	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
	Memento Assocs plastic laminators	New York Telephone
	Whitehead Cinek Corp	New York Telephone
1976	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
1970	Cinek Film Co Inc	New York Telephone
	LAMINALL PLASTICS CO	New York Telephone
	MEMENTO ASSOCS plstc lamntrs	New York Telephone
	Whitehead Cinek Corp	New York Telephone
1967	LAMINALL PLASTICS CO	New York Telephone
	MEMENTO ASSOCS plstc lamntrs	New York Telephone
1962	Rosen Jos archt	New York Telephone Directory
	Goodyear Const Co Inc	New York Telephone Directory
	Harrow Const Corp	New York Telephone Directory
	LAMINALL PLASTICS CO	New York Telephone Directory
	MEMENTO ASSOCS plstc lamntrs	New York Telephone Directory
	Pellicano Anthony paintng & decoratg	New York Telephone Directory
	Rosen H contr	New York Telephone Directory

1148 46TH RD

Year	Uses	Source
1983	Coghan Gabriel A Dr PC	New York Telephone
	Silberstein Fryderyk DDS	New York Telephone
1967	Wurm J Dentl Eqp Co	New York Telephone
1962	Wurm J Dental Equip Corp	New York Telephone Directory

1215 46TH RD

Year	Uses	Source
1983	Mc Guggart Eugene	New York Telephone

FINDINGS

1303 46TH RD

Year	Uses	Source
1991	S & E Waste Oil Inc	NYNEX Information Resource Company

1315 46TH RD

Year	Uses	Source
1983	Sullivan Philip T	New York Telephone

1645 46TH RD

Year	Uses	Source
1934	Creem Eleanor M clk Dept of Sanitn	R. L. Polk & Co.

46TH ST

1024 46TH ST

Year	Uses	Source
1934	OConnor Julia clk	R. L. Polk & Co.

1025 46TH ST

Year	Uses	Source
1934	Leibowitz Jos engineering asst Bd of Water Supply	R. L. Polk & Co.

1037 46TH ST

Year	Uses	Source
1934	Morris Mary wid Wm matron	R. L. Polk & Co.
	Smith Jos Mary E crane eng	R. L. Polk & Co.

1114 46TH ST

Year	Uses	Source
1934	Gardner Steph Rosamond plmbr	R. L. Polk & Co.
	Smith Edna sten	R. L. Polk & Co.
	Gibbons Frank W inspr Bd of Water Supply G & E	R. L. Polk & Co.

1115 46TH ST

Year	Uses	Source
1934	Joyner Victor Lucy musician	R. L. Polk & Co.
	Sparagna Dominick Mathilda Dominick Sparagna & Co	R. L. Polk & Co.

FINDINGS

1124 46TH ST

Year	Uses	Source
1934	Hyland Edith sten	R. L. Polk & Co.
	Hyland Edw Margt lab	R. L. Polk & Co.
	Mabie Jas P Anna mgr	R. L. Polk & Co.

1180 46TH ST

Year	Uses	Source
1934	Flower Isidore Rose Flower & DAvis	R. L. Polk & Co.

1249 46TH ST

Year	Uses	Source
1967	Felleman Philip N	New York Telephone

1333 46TH ST

Year	Uses	Source
1934	Riley Raymond chemical eng	R. L. Polk & Co.

1429 46TH ST

Year	Uses	Source
1934	Mamaux John J Rhoda slsmn	R. L. Polk & Co.

1472 46TH ST

Year	Uses	Source
1934	Bricker Harry tchr Grover Cleveland	R. L. Polk & Co.

1505 46TH ST

Year	Uses	Source
1939	Knipp Chas jwlr	New York Telephone Company

1772 46TH ST

Year	Uses	Source
1934	Bayer Gertrude stock clk John A Schwarz Inc	R. L. Polk & Co.

5TH AVE

1011 5TH AVE

Year	Uses	Source
1976	Arnold Hubert E	New York Telephone

FINDINGS

1165 5TH AVE

Year	Uses	Source
1976	Amer Soc For Psycho Prophylaxis In Obstetrics Inc	New York Telephone
	Childbirth Education Lamaze	New York Telephone
	ASPO	New York Telephone
	AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS	New York Telephone

1176 5TH AVE

Year	Uses	Source
1976	Krasna Irwin H MD	New York Telephone
1970	Krasna Irwin H MD	New York Telephone
	Danese Callisto MD	New York Telephone
1967	Krasna Irwin H MD	New York Telephone

1440 5TH AVE

Year	Uses	Source
1991	DVC Industries Inc	NYNEX Information Resource Company
1983	DVC Industries Inc	New York Telephone

1510 5TH AVE

Year	Uses	Source
1983	Mc Guire Richard A Assocs Inc	New York Telephone

1560 5TH AVE

Year	Uses	Source
1976	Crossly Bldg Prods	New York Telephone

1724 5TH AVE

Year	Uses	Source
1983	Entenmanns Bakery Inc	New York Telephone

1775 5TH AVE

Year	Uses	Source
1976	Duralee Fabrics Ltd	New York Telephone
	Duralite Co Inc Barbour Av ABBREV Passaic NJ NYC Tel No WI 77064	New York Telephone
1970	Duralee Fabrics Ltd	New York Telephone

FINDINGS

1853 5TH AVE

Year	*Uses*	*Source*
1976	Falkowitz Milton DDS	New York Telephone

6TH AVE

1200 6TH AVE

Year	*Uses*	*Source*
1976	Dynagem Jwlry	New York Telephone
1970	Dynagem jwlry	New York Telephone
1967	Dynagem jwlry	New York Telephone

1251 6TH AVE

Year	*Uses*	*Source*
1976	Maisel Restrnts exec ofcs	New York Telephone
1970	Maisel Restlnts exec ofcs	New York Telephone
1967	Maisel Restrnts exec ofcs	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
11-22 45th Road	2013, 1996, 1976, 1962, 1950, 1945, 1939, 1934, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
10-11 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-12 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-15 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-18 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-20 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-20 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-22 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-24 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-27 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-27 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-28 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-29 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-34 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-35 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-35 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
10-35 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-36 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-37 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-37 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-40 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-40 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-41 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-42 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-43 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-45 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-47 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-49 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-50 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-51 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-52 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-54 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
10-57 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1011 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1015 45TH AVE	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1015 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1016 46TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1018 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1018 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1934, 1922
1020 45TH RD	2013, 2008, 1996, 1983, 1976, 1970, 1967, 1950, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1020 45TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1020 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1021 45TH AVE	2013, 2008, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1021 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1022 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1024 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1024 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1025 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1025 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1025 45TH RD	2013, 2008, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1025 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1025 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1026 46TH AVE	2013, 2008, 1996, 1976, 1967, 1962, 1950, 1934, 1922
1026 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1027 45TH AVE	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1027 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1027 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1027 46TH AVE	2013, 2008, 1996, 1976, 1970, 1950, 1922
1027 46TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1028 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1028 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
1028 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1028 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1030 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1032 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1034 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 45TH RD	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 45TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1034 46TH AVE	2013, 2008, 1996, 1962, 1950, 1939, 1934, 1922
1035 45TH AVE	2013, 2008, 1996, 1976, 1950, 1922
1035 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1035 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1035 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1036 46TH AVE	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1037 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1934, 1922
1037 46TH RD	2013, 2008, 1996, 1950, 1922
1037 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1037 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1038 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1038 45TH AVE	2013, 2008, 2005, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1038 46TH AVE	2013, 2008, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 46TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1038 46TH RD	2013, 2008, 1996, 1976, 1962, 1950, 1945, 1939, 1934, 1922
1039 44TH DR	2013, 2008, 1996, 1983, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1039 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1040 44TH DR	2013, 2008, 2000, 1996, 1991, 1976, 1950, 1945, 1939, 1934, 1922
1040 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1040 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1040 45TH AVE	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1040 46TH AVE	2013, 2008, 1996, 1976, 1950, 1922
1040 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1922
1041 45TH AVE	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1934, 1922
1041 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1041 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
1042 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
1043 44TH DR	2013, 2008, 1996, 1976, 1950, 1939, 1922
1043 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1043 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1044 46TH RD	2013, 2008, 1996, 1950, 1922
1045 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
1046 46TH RD	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1047 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1048 45TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1048 46TH RD	2013, 2008, 1996, 1983, 1976, 1950, 1945, 1922
1048 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1049 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1050 44TH DR	2013, 2008, 2000, 1996, 1976, 1950, 1922
1050 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1050 46TH RD	2013, 2008, 1996, 1991, 1976, 1950, 1922
1051 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
1052 46TH RD	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1054 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1922
1056 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1056 46TH RD	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1057 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
1084 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1095 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
11-14 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-15 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-15 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-16 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-18 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-24 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-25 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-30 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-30 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-31 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-35 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-42 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-47 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
11-55 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1103 45TH AVE	2013, 2008, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 46TH AVE	2013, 2008, 2005, 2000, 1996, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1103 46TH RD	2013, 2008, 2000, 1996, 1950, 1945, 1939, 1934, 1922
1105 44TH DR	2013, 2008, 1996, 1976, 1950, 1922
1105 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1110 44TH DR	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1111 44TH DR	2013, 2008, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1111 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1112 44TH DR	2013, 2008, 2005, 2000, 1996, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1114 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1922
1114 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1114 46TH AVE	2013, 2008, 1950, 1922
1114 46TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1114 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1115 45TH AVE	2013, 2008, 1996, 1950, 1922
1115 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1115 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1115 46TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1115 46TH RD	2013, 2008, 1996, 1950, 1922
1115 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1116 44TH DR	2013, 2008, 1996, 1983, 1976, 1967, 1962, 1950, 1939, 1934, 1922
1116 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1118 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1118 46TH RD	2013, 2008, 1996, 1991, 1950, 1922
1120 46TH RD	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1120 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1121 44TH DR	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1122 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1124 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1124 46TH AVE	2013, 2008, 1996, 1950, 1922
1124 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1125 45TH AVE	2013, 2008, 1996, 1976, 1950, 1945, 1939, 1922
1125 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1125 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1125 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1125 46TH RD	2013, 2008, 1996, 1950, 1922
1125 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1126 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 45TH RD	2013, 2008, 2005, 1996, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 45TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1130 46TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1950, 1945, 1939, 1934, 1922
1131 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1934, 1922
1131 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1133 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1133 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1134 44TH DR	2013, 2008, 1996, 1950, 1945, 1939, 1922
1134 46TH RD	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1134 46TH RD	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1135 45TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1135 45TH AVE	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1136 44TH DR	2013, 2008, 1996, 1950, 1922
1136 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1136 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1136 46TH RD	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922
1136 46TH RD	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1138 44TH DR	2013, 2008, 1996, 1950, 1922
1140 44TH DR	2013, 2008, 1996, 1950, 1939, 1922
1140 45TH RD	2013, 2008, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1140 46TH AVE	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1142 44TH DR	2013, 2008, 1996, 1950, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1142 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1142 44TH DR LONG ISLAND CITY DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1142 46TH RD	2013, 2008, 1996, 1950, 1945, 1939, 1934, 1922
1142 46TH RD	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1143 45TH AVE	2013, 2008, 1996, 1976, 1950, 1945, 1939, 1934, 1922
1144 44TH DR	2013, 2008, 1996, 1950, 1945, 1922
1145 44TH DR	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1146 44TH DR	2013, 2008, 1996, 1950, 1945, 1922
1147 45TH AVE	2013, 2008, 1950, 1939, 1922
1147 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1148 44TH DR	2013, 2008, 1996, 1962, 1950, 1945, 1939, 1922
1148 44TH DR	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1148 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1950, 1945, 1939, 1934, 1922
1149 44TH DR	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1149 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1151 44TH DR	2013, 2008, 1996, 1950, 1922
1152 44TH DR	2013, 2008, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1152 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1153 44TH DR	2013, 2008, 1996, 1962, 1950, 1939, 1922
1154 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1950, 1945, 1939, 1934, 1922
1155 45 S AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1155 45TH AVE	2013, 2008, 1950, 1922
1155 45TH AVE	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1155 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1156 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1157 44TH DR	2013, 2008, 1996, 1950, 1934, 1922
1157 44TH DR	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1165 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1165 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1176 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1180 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1186 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1188 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1200 6TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1215 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1220 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1234 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1238 44TH DR	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1249 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1251 6TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1962, 1950, 1945, 1939, 1934, 1922
1254 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1255 45TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1303 46TH RD	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1314 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1315 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1322 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1324 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1330 45TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1333 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1347 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1401 45TH ST	2013, 2008, 2005, 2000, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1413 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1424 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
1429 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1440 5TH AVE	2013, 2008, 2005, 2000, 1996, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1444 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1458 45TH	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1472 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1474 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1505 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
1510 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1560 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1626 44TH DR	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1645 46TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1716 46TH AVE	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1724 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1738 44TH DR	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1772 46TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1775 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1967, 1962, 1950, 1945, 1939, 1934, 1922
18-12 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
18-48 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
1815 45TH AVE	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1824 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
1853 5TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1866 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
1882 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
20-01 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-02 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-03 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-04 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-05 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-06 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-06 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-07 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-08 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-09 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-10 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-11 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-12 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-12 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-14 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-14 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-15 45TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-18 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-20 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-22 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-24 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-25 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-26 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-27 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
20-33 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-35 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-37 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-41 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-43 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-45 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-47 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-48 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-49 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-51 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-52 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-53 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-54 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-55 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-56 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
20-57 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
2019 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2038 46TH AVE	2013, 2008, 2005, 2000, 1996, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2040 46TH AVE	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
2046 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2057 45TH RD	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2059 45TH RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2103 45TH RD	2013, 2008, 1996, 1950, 1922
4440 11ST ST	2013, 2008, 2005, 2000, 1996, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4440 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
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4446 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4461 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4461 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4464 11TH ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4464 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4469 11TH ST	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4472 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4480 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4480 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4502 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4502 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4504 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4506 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4508 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4510 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4510 11TH ST	2013, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4512 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4514 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4516 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1950, 1939, 1922
4518 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4520 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4520 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4522 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4523 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
4527 21ST RD	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4528 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922

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Address Researched	Address Not Identified in Research Source
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4528 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4528 21ST ST	2013, 2008, 2000, 1996, 1976, 1950, 1922
4530 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4532 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4532 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4532 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
4533 21ST ST	2013, 2008, 2000, 1996, 1976, 1970, 1950, 1922
4533 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4534 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4535 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4535 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4536 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4536 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1950, 1945, 1939, 1934, 1922
4537 21ST ST	2013, 2008, 2000, 1996, 1950, 1939, 1922
4537 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4538 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4539 21ST ST	2013, 2008, 2000, 1996, 1950, 1922
4540 11TH ST	2013, 2008, 2005, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4540 21ST ST	2013, 2008, 2000, 1996, 1950, 1945, 1939, 1934, 1922
4540 21ST ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4542 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4543 21ST ST	2013, 2008, 2000, 1996, 1991, 1976, 1950, 1939, 1922
4543 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4544 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4544 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4545 21ST ST	2013, 2008, 2000, 1996, 1976, 1950, 1939, 1922
4546 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4546 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4546 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4546 21ST ST	2013, 2008, 2000, 1996, 1991, 1950, 1945, 1939, 1934, 1922
4587 21ST ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4591 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
46-31 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-32 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-34 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-37 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-41 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-43 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
46-44 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1945, 1939, 1934, 1922
4601 21ST ST	2013, 2008, 2000, 1996, 1962, 1950, 1945, 1939, 1934, 1922
4601 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4602 21ST ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4602 21ST ST	2013, 2008, 2000, 1996, 1950, 1945, 1922
4606 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4606 11TH ST	2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4609 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4609 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4610 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1950, 1939, 1934, 1922
4610 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4613 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
4614 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4616 11TH PL	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
4620 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4620 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4627 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4629 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4630 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4631 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4632 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4633 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4634 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4634 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4635 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4636 11TH ST	2013, 2008, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4636 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4637 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4639 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4641 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4643 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4644 11TH ST	2013, 2008, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4644 11TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4645 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4647 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4649 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
4653 11TH ST	2013, 2008, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922

APPENDIX E

Previous Environmental Reports

APPENDIX G

Qualifications of Environmental Professionals

Ecosystems Strategies, Inc.

Paul H. Ciminello, CEM, CAQS
PRESIDENT
paul@ecosystemsstrategies.com

EDUCATION

Master of Environmental Management, 1986
School of the Environment, Duke University, Durham, North Carolina

Master of Arts in Public Policy Sciences, 1986
Institute of Policy Sciences and Public Affairs, Duke University, Durham, North Carolina

Bachelor of Arts, 1980
Tufts University, Medford, Massachusetts

CERTIFICATIONS AND TRAINING

Certified Qualified Environmental Professional (QEP), Institute of Professional Environmental Practice (Cert. Number 08130024)
In compliance with OSHA Hazardous Materials Safety (29 CFR 1910) requirements (updated 2012)
Certified Air Quality Specialist, Environmental Assessment Association, 2007
Certified Environmental Manager, Environmental Assessment Association, 2006
NJ Dept. of Environmental Protection Licensed Subsurface Evaluator (License Number: 0014686)
NYS Dept. of Labor Certified Asbestos Building Inspector (Cert. Number: AH92-14884)
NYS Department of State, Division of Licensing Services, Real Estate Instructor

PROFESSIONAL EXPERIENCE

President, Ecosystems Strategies, Inc., Poughkeepsie, New York *1992 to present*

Coordinates corporate strategic planning, financial management and marketing activities. Oversees corporate work on state and federal superfund sites and manages education/training services. Responsible for technical services in areas of pollution prevention, contaminant delineation and site remediation. Twenty years experience in the investigation and remediation of petroleum contamination at commercial and residential properties. Major recent projects of relevance include:

- Irvington Waterfront Park (Irvington, NY): Project Manager for site investigation and remedial design of abandoned industrial riverfront properties. Documented soil and groundwater contamination and designed remediation including soil removal and site capping. Project completed in 2000; project awarded the 2000 Gold Medal Award by Consulting Engineers Council of New York State.

- Greyston Bakery Site (Yonkers, NY): Project Manager for site investigation and remedial design of former manufactured gas plant site for future use as a bakery. Documented soil, groundwater and soil gas contamination. Remedial systems included installations of a DNAPL collection system, a barrier layer, a subslab depressurization system under the building, and groundwater monitoring. Project completed in 2004.

- 400 Block Redevelopment (Poughkeepsie, NY): Project Manager for site investigation and remedial design of multi-use industrial development property (boiler repair, clothing manufacturer, auto repair) for future retail/residential use. Documented soil (petroleum, PCBs, metals) and groundwater (petroleum) contamination. Remedial systems include: soil (and tank) removal, installation of a barrier, and groundwater monitoring. Project completed in 2006.

- Prospect Court Housing Site (Bronx, NY): Project Manager for site investigation and remediation of a former gas station/auto repair facility. Documented contamination included both dissolved and free-phase petroleum hydrocarbons, dissolved halogenated solvents, and metals contamination in soil. Remedial systems consisted of In-Situ Chemical Oxidation, soil excavation, vapor interception systems, and on-going groundwater monitoring. Project anticipates securing Certificate of Completion from the NYSDEC in December 2012.

- Parkview Commons Site (Bronx, NY): Project Manager for site investigation and remedial design of former gas station/auto repair facility for future use as a residential/commercial building. Certificate of Completion was secured from the NYSDEC in 2007.

Senior Hazardous Waste Specialist, U.S. Hydrogeologic, Inc., Poughkeepsie, New York 1986 to 1992

Supervisor for corporate hazardous and solid waste investigatory and remedial services. Major projects included:

- Coordination of subsurface investigations at a New York State Superfund site (former industrial facility); project manager in charge of site reclassification (delisted as of January, 1991).
- Coordination of petroleum storage tank management plan for Dutchess County (NY) Department of Public Works, including an assessment of regulatory compliance, product utilization and physical conditions of more than 100 tanks at over 20 facilities.
- Environmental compliance Audit of 42,000-square foot printing facility with specific remediations for solvent handling/disposal, inks storage and metal recovery processes.

Adjunct Professor, (various institutions) *1991 to Present*

Dutchess Community College, Poughkeepsie, New York
*M*arist College, Poughkeepsie, New York
Vassar College, Poughkeepsie, New York

Courses: Macroeconomics, Environmental Economics (DCC)
Introduction to Environmental Issues (Marist)
Environmental Geology (Vassar)

Policy Intern, Southern Growth Policies Board, North Carolina *1985*

Prepared several in-depth and short analyses of environmental and economic issues, with specific concern for their impact on Southern state policies. Analyses included: hazardous waste facility setting policies and environmental impacts of "high tech" industries on host communities.

Research Assistant, University of Oregon, Eugene, Oregon *1983*

Analyzed (with Dr. John Baldwin, Chairman of the Department of Planning, Public Policy and Management, U. of Oregon) the "Oregon Riparian Tax Incentive Program". Designed survey, conducted interviews and analyzed data. Summary paper with programmatic recommendations, was presented at the Annual Conference of the National Association of Environmental Educators.

PRESENTATIONS

- "Environmental Risks in Lending" Training Session for Pawling Savings Bank employees, December 18 and 19, 1989; and July 1, 1993.
- "Identifying Environmental Concerns in Appraisals", Workshops for Lakewood Appraisal Corporation, October, and November, 1989 and April, 1990.
- "State and Local Groundwater Protection Strategies", Annual meeting of the New York State Association of Towns, February, 1990.
- "Environmental Audits on Orchards and Agricultural Properties", Resource Education Institute, Inc., Real Estate Site Assessment and Environmental Audits Conference, December 4, 1990.

- "Environmental Audits on Orchards and Agricultural Properties", National Water Well Association Annual Conference, July 29-31, 1991.
- "Principles of Environmental Economics for Ground Water Professionals", National Groundwater Association Outdoor Action Conference, May 27, 1993.
- "Impact of Environmental Liabilities on Real Estate Transactions", a NYS Department of Education approved course for licensed real estate professionals, March 1995; April 1995; May 1995; October 1995.
- "Brownfields Redevelopment in New York: A Discussion of Two Case Studies", New England Environmental Conference 1996, March, 1996.
- "Quantifying Environmental Liabilities", a NYS Department of Education approved course for licensed real estate professionals, March 1997.
- "Environmental Assessments in Urban Settings", Vassar College, Fall 1999 and Fall 2000.
- "Navigating Property Contaminant Problems", Land Trust Alliance Rally 2001, Oct 2001.

ARTICLES

Ciminello, P. 1993. A Primer on Petroleum Bulk Storage Tanks and Petroleum Contamination of Property, ASHI Technical Journal, Volume 3, No. 1

Ciminello, P. 1991. Environmental Audits on Orchard and Other Agricultural Properties, Proceedings of the National Water Well Association Annual Conference

Ciminello, P. 1991. Property Managers Should Carefully Examine Current Fuel Storage Practices, NYS Real Estate Journal, Vol. 3, No. 9

Ciminello, P. 1991. New DEC Regulations Affect Development of Agricultural Lands, NYS Real Estate Journal, Vol. 3, No. 6

Ciminello, P., Hodges-Copple, J. 1986. Managing Toxic Risks From High Tech Manufacturing, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1986. State Assistance in Financing Water Treatment Facilities, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1985. Plants Amid Plantings: The Future Role of Environmental Factors in Business Climate Ratings, Southern Growth ALERT (Southern Growth Policies Board)

Ciminello, P., J. Baldwin, N. Duhnkrack,1984, An Incentive Approach to Riparian Lands Conservation, Monographs in Environmental Education and Environmental Studies (North American Association of Environmental Educators)

PROFESSIONAL AFFILIATIONS

American Water Resources Association
National Groundwater Association
Hazardous Materials Control Research Institute
Environmental Assessment Association

ADDITIONAL INFORMATION

Member, Dutchess County (NY) Youth Board (1987-1992); Chairman, 1992
Member, City of Poughkeepsie (NY) School District Ad Hoc Committee on Teen Parents and Pregnancy Prevention (1991)
Member, City of Poughkeepsie School District Budget Advisory Committee (1994 to 2000)
Member, City of Poughkeepsie PTA and Middle School Building Level Team

Scott Spitzer
Director of Environmental Investigations
scott@ecosystemsstrategies.com

PROFESSIONAL EXPERIENCE

Director of Environmental Investigations, Ecosystems Strategies, Inc., Poughkeepsie, NY 2013 - present

Management and quality review of environmental site assessments, technical environmental investigations, and remedial projects including Brownfield sites. Conducts research to obtain field and regulatory information about the environmental status of a designated area. Reviews all documents prepared by ESI to ensure consistency and technical accuracy. Responsibilities associated with the preparation of site assessments include: investigating site histories, conducting facility inspections, reviewing regulatory agency records, documenting facility compliance with relevant State and Federal regulations, and preparing reports. Management of complex technical environmental investigations (including sites currently on the NYSDEC Registry of Inactive Hazardous Waste Sites), including coordinating subcontractors, overseeing fieldwork, designing and implementing sampling plans, preparing technical reports, and interfacing with regulatory agency personnel.

Senior Project Manager, Long-Form Reports, The 451 Group, Inc., New York, NY 2008-2011

- Managed the production of over 150 technical white papers.

Senior Project Manager, Ecosystems Strategies, Inc., Poughkeepsie, NY 2001 - 2008

- Conducted Environmental Site Investigations and prepared final site assessment reports. Over 300 Investigations and Final Reports completed as lead manager.
- Investigated site histories.
- Conducted facility inspections.
- Reviewed regulatory agency records.
- Documented facility compliance with relevant State and Federal regulations.
- Conducted Phase II Technical Environmental Investigations and prepared technical reports.
- Researched field and regulatory information.
- Managed tank removals.
- Coordinated subcontractors.
- Oversaw fieldwork and handled collection of material, soil and water samples.

Select Projects

Scenic Hudson Land Trust, Inc., Beacon Waterfront Project, Beacon, NY

ESI conducted soil and groundwater investigations on a former MOSF and adjacent scrap yard. Projects involved soil remediation of both petroleum and PCB-contaminated soils and long-term groundwater monitoring. Both projects were classified as Voluntary Clean-Up projects by the NYSDEC and closure status was attained.

Sakmann Restaurant Corporation Site, Fort Montgomery, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations for former filling station and automotive repair garage contaminated by solvent and waste-oil discharges to an on-site drywell.

Designed and implemented a sampling plan for soils impacted by chlorinated hydrocarbons, petroleum, and metals. Created Workplan (in coordination with the NYSDEC Voluntary Cleanup Program) for remediation of on-site contamination and long-term sampling of on-site groundwater monitoring wells.

Staten Island Marina Site, Staten Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigation for an active marine facility engaged in boat painting and engine maintenance activities. Coordinated the delineation of metals contamination over a three-acre area and analyzed potential impacts from on-site fill materials. Submitted remedial and budgetary analysis in support of regulatory agency approval for conversion of boatyard into a public park.

Octagon House Development Site, Roosevelt Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at the former site of a large, urban hospital. Interpreted the results of geotechnical studies, extended test pits, and conducted extensive soil sampling, to document subsurface soil conditions in support of client's application to the U.S. Housing and Urban Development Agency (HUD). Created Workplan (in coordination with the NYCDEP Office of Environmental Planning and Assessment) for site-wide remediation of contaminated soils and secured NYCDEP approval for site remediation as required by HUD.

Camp Glen Gray Boy Scout Facility, Mahwah, NJ

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at an approximately 800-acre campground containing numerous structures. Documented subsurface soil conditions at the locations of aboveground and underground storage tanks, and delineated lead contamination at a former firing range. Assisted in design and implementation of remediation plans for removal of petroleum and lead contaminated soils, and obtained NJDEP approvals.

EDUCATION

SUNY at Stony Brook, Bachelor of Science - Biology, SUNY at Stony Brook *May 1992*
SUNY at Purchase, extensive studies in Environmental Science

PROFESSIONAL CERTIFICATIONS

OSHA Hazardous Waste Site Operations and Emergency Response (HAZWOPER) – 40 hr

APPENDIX H

Scope of Services

Ecosystems Strategies, Inc.

Phase I Environmental Site Assessment
Scope of Services

Task 1.0: Description of Subject Property and Surrounding Area Physical Settings

1.1 Description of property location, topography, geology, hydrogeology, surface hydrology and wetlands
1.2 Identification of adjoining and surrounding area properties

Task 2.0: Historic Investigation (Review of Applicable, Reasonably Ascertainable Sources)

2.1 Review of historic maps and plans (to the earliest date of available maps)
2.2 Review of aerial photographs
2.3 Review of local records (e.g., building department), including cursory ownership information and City Directories, if applicable.
2.4 Interviews with User, Key Site Manager, and other knowledgeable individuals.
2.5 Review of User or property owner provided documents (e.g., title reports, prior investigations) and/or analytical results

Task 3.0: Federal and State Regulatory Agency Records Review

3.1 Review of ASTM-required federal, state, and/or tribal databases at required search distances and analysis of the relationship of each Site (e.g., upgradient, downgradient) to the Subject Property;
- Federal NPL (1.0 mile) and delisted NPL sites (0.5 mile)
- Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
- Federal RCRA CORRACTS facilities list (1.0 mile)
- Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
- Federal RCRA generators list (subject/adjoining properties)
- Federal ERNS list (subject property)
- Federal, state, and tribal institutional control/engineering control registries (subject property)
- State- and tribal-equivalent NPL (1.0 mile)
- State- and tribal-equivalent CERCLIS (0.5 mile)
- State and tribal Brownfield and voluntary cleanup sites (0.5 mile)
- State and tribal leaking storage tank lists (0.5 mile)
- State (including locally administered) and tribal registered storage tank lists (subject/adjoining)
- State and tribal landfill and/or solid waste disposal site lists (0.5 mile)

3.2 Review of additional federal and state environmental databases:
- State spill file records (0.5 mile)
- State MOSF list (0.5 mile)
- State radon data (by local municipality as available)
- Federal and state wastewater discharge permits (subject/adjoining properties)

3.3 Interviews (as applicable) with government representative regarding regulatory compliance

Task 4.0: Physical Inspection

4.1 Inspection of property and structures for potential contamination and contaminant sources, including:
- Hazardous/medical/radioactive waste storage and disposal areas
- Petroleum and/or chemical storage (including tanks and associated piping)
- Overt indications, spatial extent, and current condition of asbestos-containing materials, lead-based paint and mold
- Wastewater and stormwater discharge systems
- Equipment potentially containing polychlorinated biphenyls (PCBs)

4.2 Inspection of external property for the following:
- Presence of contamination (e.g., debris, soil staining)
- Evidence of prior structures and uses
- Unusual or man-made topographical formations (e.g., berms, sinkholes)
- On-site surface water quality
- Evidence and location of wells
- Vegetative stress

4.3 Identification of overt on-site sensitive environmental receptors (e.g., wetlands)
4.4 Limited inspection of adjoining and nearby properties for:
- Potential off-site sources of contamination
- Sensitive environmental receptors

4.5 If appropriate, interviews with owners/tenants/operators and other available knowledgeable individuals present during physical inspection

Task 5.0: Preparation of Written Summary Report

5.1 Summary of findings of Tasks 1.0 through 4.0
5.2 Identification of any Recognized Environmental Conditions and/or other potential concerns
5.3 Conclusions and Recommendations, including any specific additional investigatory or remedial work
5.4 Production and transmission of the final Phase I ESA to Client.

APPENDIX 2

Soil Boring Geologic Logs

Soil Boring Log

Ecosystems Strategies, Inc.

MW-01 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-25 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Raining, light breeze, low-70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (100%)	Brown, F SAND, brick fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Brown to black, F SAND, moist, brick at 6.5' (Fill) , ****** Saturated at 10' *****	Moist	0.0	ND	ND	ND	
10 – 15' (100%)	Brown, medium SAND ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	**(11-13')**

Notes

Fill Materials

Surface to 6.5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

OTHER

Installed monitoring well (1")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-02 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-25 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Raining, light breeze, low-70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (100%)	Brown, F SAND, concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Grayish-Brown, M SAND Saturated and petroleum odor at 10' ****** Saturated at 10' *****	Moist	**82**	**Yes**	ND	ND	
10 – 15' (100%)	Brown, M SAND overlying Black F SAND with weathered rock ****** End of Boring at 15' *****	Wet	**195**	**Yes**	**Yes**	ND	**(11-13')**

Notes

Fill Materials

Surface to 5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

@10' - PID reading 82 ppm

@ 14.5' - PID reading 195 ppm, tar-like odor, staining

OTHER

Installed monitoring well (1")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-03 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-25 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Raining, light breeze, low-70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (100%)	Brown, F SAND, brick fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Brown, F-C SAND, moist, brick and concrete fragments throughout (Fill)	Moist	2.1	ND	ND	ND	
10 – 15' (100%)	Brown, medium SAND with rock fragments ****** Saturated at 11' ***** ****** End of Boring at 15' *****	Wet	2.3	ND	ND	ND	**(11-13')**

Notes

Fill Materials

Surface to 10'

Saturated Soils

11 - 15'

Field Evidence of Contamination

No obvious contamination observed

OTHER

Installed monitoring well (1")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-04 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-10-10 DRILLER (RIG) Zebra (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, breezy, low-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (100%)	Brown, F SAND, brick and concrete fragments (Fill) Concrete and brick	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (80%)	Brown, F SAND, brick and concrete fragments (Fill), 0.5' Brown SILT at base , ****** End of Boring at 9' - REFUSAL *****	Dry	0.0	ND	ND	ND	**(7-9')**

Notes

Fill Materials

Surface to 9', refusal at 9' – likely concrete (bent macro-core barrel)

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

OTHER

Stepped out 2', pre-drilled with star bit and installed monitoring well (2")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-05 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-10-10 DRILLER (RIG) Zebra (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, breezy, low-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (70%)	Brown, M SAND, brick and concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (20%)	Brown, M SAND ,	Dry	0.0	ND	ND	ND	
10 – 15' (50%)	Brown, medium SAND, some Black Clay ****** Saturated at 11' ***** ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	**(13-15')**

Notes

Fill Materials

Surface to 5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

OTHER

Installed monitoring well (2")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-06 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-10-10 DRILLER (RIG) Zebra (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, breezy, low-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (60%)	Brown, M SAND, gravelly, concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Brown to black, F-M SAND , ****** Saturated at 10' *****	Moist	0.0	ND	ND	ND	
10 – 15' (100%)	Brown, F SAND, Gravelly, some brick (~13', Fill), bottom layer of F Clay ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	**(13-15')**

Notes

Fill Materials

Surface to 5' and at 13'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

OTHER

Installed monitoring well (2")

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-01 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-16 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, light breeze, mid-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (60%)	Brown, M SAND, concrete fragments @4' (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (40%)	Brown, M SAND ,	Moist	0.0	ND	ND	ND	
10 – 15' (60%)	Brown and Black, C SAND, weathered rock, black organic layer at 10.5' ****** Saturated at 11' ***** ****** End of Boring at 15' *****	Wet	4.1	ND	ND	ND	**(11-13')**

Notes

Fill Materials

Surface to 5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-02 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-16 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, light breeze, mid-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (80%)	Brown, M SAND, brick and concrete fragments from 0 - 2.5' (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (50%)	Brown, M SAND ,	Moist	0.0	ND	ND	ND	
10 – 15' (70%)	Brown, M-C SAND, some black Clay ****** Saturated at 11' ***** ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	**(11-13')**

Notes

Fill Materials

Surface to 2.5'

Saturated Soils

11 - 15'

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-03 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-16 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, light breeze, mid-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (80%)	Brown to Black, M SAND, gravelly, concrete fragments from 4 -5' (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Brown to Black, F-M SAND , ****** Saturated at 10' *****	Moist	0.0	ND	ND	ND	
10 – 15' (100%)	Brown to Black, F SAND, gravelly Some Brown, CLAY ****** End of Boring at 15' *****	Wet Moist	0.0 0.0	ND ND	ND ND	ND ND	**(11-13')**

Notes

Fill Materials

4 to 5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-04 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-09-25 DRILLER (RIG) Enviroprobe (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Raining, light breeze, low-70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (100%)	Brown, F SAND, concrete fragments (Fill)	Dry	0.0	ND	ND	ND	**(0-2')**
5 – 10' (100%)	Brown, Sandy SILT ****** Saturated at 5.5' *****	Wet	0.0	ND	ND	ND	
10 – 15' (100%)	Brown, F-M SAND Some Brown, CLAY ****** End of Boring at 15' *****	Wet Moist	2.1	ND	ND	ND	**(11-13')**

Notes

Fill Materials

Surface to 5'

Saturated Soils

5.5 - 15'

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-05 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-10-10 DRILLER (RIG) Zebra (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, breezy, low-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Brown, M SAND, gravelly, concrete fragments (Fill)	Dry	0.0	ND	ND	ND	
5 – 10' (30%)	Brown, M SAND ,	Dry	0.0	ND	ND	ND	
10 – 15' (100%)	Brown, medium SAND, some Black Clay ****** Saturated at 11' ***** ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	**(13-15')**

Notes

Fill Materials

Surface to 5'

Saturated Soils

10 - 15'

Field Evidence of Contamination

No obvious contamination observed

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-06 (SHEET 1 OF 1)	Remedial Investigation Report 45-35 11th Street and 11-22 45th Road, Queens, New York OER Site No. 15EH-A009Q	ESI FILE GC14076.20
	DATE: 2014-10-10 DRILLER (RIG) Zebra (6620DT Geoprobe, 5' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, breezy, low-60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE BUILDING SLAB (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (variable)	Brown to Black, F-C SAND, concrete and rock fragments (Fill)	Dry	0.0	ND	ND	ND	
5 – 9' (50%)	Brown to Black, F-C SAND, concrete and rock fragments (Fill) , ****** End of Boring at 9' *****	Dry	0.0	ND	ND	ND	**(7-9')**
10 – 15' (100%)							

Notes

Fill Materials

Surface to 9', refusal at 9' – likely subsurface debris

Saturated Soils

Not encountered

Field Evidence of Contamination

No obvious contamination observed

OTHER

Four total attempts to extend boring, with other refusals at 3.5', 4' and 4.5'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

APPENDIX 3

Data Summary Tables

Table 5: VOCs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**HB-01 (0-2')**		**HB-02 (0-2')**		**HB-03 (0-2')**		**MW-4 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	3.2	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1,1-Trichloroethane	0.68	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1,2-Trichloroethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1-Dichloroethane	0.27	26	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1-Dichloroethylene	0.33	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,1-Dichloropropylene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2,3-Trichloropropane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2-Dibromoethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichlorobenzene	1.1	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichloroethane	0.2	31	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichloropropane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,3-Dichlorobenzene	2.4	49	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,3-Dichloropropane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,4-Dichlorobenzene	1.8	13	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
1,4-Dioxane	0.1	13	0.065	*U*	0.056	*U*	0.051	*U*	0.049	*U*
2,2-Dichloropropane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
2-Butanone	0.12	100	0.17		0.37	*E*	0.0025	*U*	0.0025	*U*
2-Chlorotoluene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
4-Chlorotoluene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Acetone	0.05	100	0.084		0.1		0.036		0.018	
Benzene	0.06	48	0.0032	*U*	0.039		0.0025	*U*	0.0025	*U*
Bromobenzene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Bromochloromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Bromodichloromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Bromoform	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Bromomethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Carbon tetrachloride	0.76	24	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Chlorobenzene	1.1	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Chloroethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Chloroform	0.37	49	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Chloromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Dibromochloromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Dibromomethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Dichlorodifluoromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Ethyl Benzene	1	41	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Hexachlorobutadiene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Isopropylbenzene	2.3	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Methylene chloride	0.05	500	0.0065	*U*	0.0056	*U*	0.0051	*U*	0.0049	*U*
Naphthalene	12	12	0.11		0.011	*J*	0.17		0.0025	*U*
n-Butylbenzene	12	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
n-Propylbenzene	3.9	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
o-Xylene	0.26	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
p- & m- Xylenes	0.26	100	0.0065	*U*	0.0056	*U*	0.0051	*U*	0.0049	*U*
p-Isopropyltoluene	10	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
sec-Butylbenzene	11	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Styrene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
tert-Butylbenzene	5.9	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Tetrachloroethylene	1.3	19	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Toluene	0.7	100	0.0032	*U*	0.0088		0.0025	*U*	0.0025	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Trichloroethylene	0.47	21	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Trichlorofluoromethane	NA	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Vinyl acetate	0.02	NA	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Vinyl chloride	NA	0.9	0.0032	*U*	0.0028	*U*	0.0025	*U*	0.0025	*U*
Xylenes, Total	0.26	100	0.0097	*U*	0.0083	*U*	0.0076	*U*	0.0074	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 5: VOCs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-5 (0-2')**		**MW-6 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0025	*U*	0.0026	*U*
1,1,1-Trichloroethane	0.68	100	0.0025	*U*	0.0026	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0025	*U*	0.0026	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0025	*U*	0.0026	*U*
1,1,2-Trichloroethane	NA	NA	0.0025	*U*	0.0026	*U*
1,1-Dichloroethane	0.27	26	0.0025	*U*	0.0026	*U*
1,1-Dichloroethylene	0.33	100	0.0025	*U*	0.0026	*U*
1,1-Dichloropropylene	NA	NA	0.0025	*U*	0.0026	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0025	*U*	0.0026	*U*
1,2,3-Trichloropropane	NA	NA	0.0025	*U*	0.0026	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0025	*U*	0.0026	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0025	*U*	0.0026	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0025	*U*	0.0026	*U*
1,2-Dibromoethane	NA	NA	0.0025	*U*	0.0026	*U*
1,2-Dichlorobenzene	1.1	100	0.0025	*U*	0.0026	*U*
1,2-Dichloroethane	0.2	31	0.0025	*U*	0.0026	*U*
1,2-Dichloropropane	NA	NA	0.0025	*U*	0.0026	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0025	*U*	0.0026	*U*
1,3-Dichlorobenzene	2.4	49	0.0025	*U*	0.0026	*U*
1,3-Dichloropropane	NA	NA	0.0025	*U*	0.0026	*U*
1,4-Dichlorobenzene	1.8	13	0.0025	*U*	0.0026	*U*
1,4-Dioxane	0.1	13	0.05	*U*	0.051	*U*
2,2-Dichloropropane	NA	NA	0.0025	*U*	0.0026	*U*
2-Butanone	0.12	100	0.0025	*U*	0.0026	*U*
2-Chlorotoluene	NA	NA	0.0025	*U*	0.0026	*U*
4-Chlorotoluene	NA	NA	0.0025	*U*	0.0026	*U*
Acetone	0.05	100	0.019		0.019	
Benzene	0.06	48	0.0025	*U*	0.0026	*U*
Bromobenzene	NA	NA	0.0025	*U*	0.0026	*U*
Bromochloromethane	NA	NA	0.0025	*U*	0.0026	*U*
Bromodichloromethane	NA	NA	0.0025	*U*	0.0026	*U*
Bromoform	NA	NA	0.0025	*U*	0.0026	*U*
Bromomethane	NA	NA	0.0025	*U*	0.0026	*U*
Carbon tetrachloride	0.76	24	0.0025	*U*	0.0026	*U*
Chlorobenzene	1.1	100	0.0025	*U*	0.0026	*U*
Chloroethane	NA	NA	0.0025	*U*	0.0026	*U*
Chloroform	0.37	49	0.0025	*U*	0.0026	*U*
Chloromethane	NA	NA	0.0025	*U*	0.0026	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0025	*U*	0.0026	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0025	*U*	0.0026	*U*
Dibromochloromethane	NA	NA	0.0025	*U*	0.0026	*U*
Dibromomethane	NA	NA	0.0025	*U*	0.0026	*U*
Dichlorodifluoromethane	NA	NA	0.0025	*U*	0.0026	*U*
Ethyl Benzene	1	41	0.0025	*U*	0.0026	*U*
Hexachlorobutadiene	NA	NA	0.0025	*U*	0.0026	*U*
Isopropylbenzene	2.3	100	0.0025	*U*	0.0026	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0025	*U*	0.0026	*U*
Methylene chloride	0.05	500	0.005	*U*	0.0051	*U*
Naphthalene	12	12	0.0025	*U*	0.0026	*U*
n-Butylbenzene	12	100	0.0025	*U*	0.0026	*U*
n-Propylbenzene	3.9	100	0.0025	*U*	0.0026	*U*
o-Xylene	0.26	100	0.0025	*U*	0.0026	*U*
p- & m- Xylenes	0.26	100	0.005	*U*	0.0051	*U*
p-Isopropyltoluene	10	NA	0.0025	*U*	0.0026	*U*
sec-Butylbenzene	11	100	0.0025	*U*	0.0026	*U*
Styrene	NA	NA	0.0025	*U*	0.0026	*U*
tert-Butylbenzene	5.9	100	0.0025	*U*	0.0026	*U*
Tetrachloroethylene	1.3	19	0.0025	*U*	0.0026	*U*
Toluene	0.7	100	0.0025	*U*	0.0026	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0025	*U*	0.0026	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0025	*U*	0.0026	*U*
Trichloroethylene	0.47	21	0.0025	*U*	0.0026	*U*
Trichlorofluoromethane	NA	NA	0.0025	*U*	0.0026	*U*
Vinyl acetate	0.02	NA	0.0025	*U*	0.0026	*U*
Vinyl chloride	NA	0.9	0.0025	*U*	0.0026	*U*
Xylenes, Total	0.26	100	0.0075	*U*	0.0077	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 6: VOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (11-13')**		**SB-02 (11-13')**		**SB-03 (11-13')**		**SB-04 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1,1-Trichloroethane	0.68	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1,2-Trichloroethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1-Dichloroethane	0.27	26	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1-Dichloroethylene	0.33	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,1-Dichloropropylene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2,3-Trichloropropane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2-Dibromoethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2-Dichlorobenzene	1.1	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2-Dichloroethane	0.2	31	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,2-Dichloropropane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,3-Dichlorobenzene	2.4	49	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,3-Dichloropropane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,4-Dichlorobenzene	1.8	13	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
1,4-Dioxane	0.1	13	0.041	*U*	0.043	*U*	0.059	*U*	0.087	*U*
2,2-Dichloropropane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
2-Butanone	0.12	100	0.026		0.0076		0.083		0.038	
2-Chlorotoluene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
4-Chlorotoluene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Acetone	0.05	100	0.052	*B*	0.036	*B*	0.24	*B*	0.13	
Benzene	0.06	48	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Bromobenzene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Bromochloromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Bromodichloromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Bromoform	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Bromomethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Carbon tetrachloride	0.76	24	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Chlorobenzene	1.1	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Chloroethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Chloroform	0.37	49	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Chloromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Dibromochloromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Dibromomethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Dichlorodifluoromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Ethyl Benzene	1	41	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Hexachlorobutadiene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Isopropylbenzene	2.3	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Methylene chloride	0.05	500	0.0041	*U*	0.0043	*U*	0.0059	*U*	0.0043	*U*
Naphthalene	12	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
n-Butylbenzene	12	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
n-Propylbenzene	3.9	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
o-Xylene	0.26	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
p- & m- Xylenes	0.26	100	0.0041	*U*	0.0043	*U*	0.0059	*U*	0.0043	*U*
p-Isopropyltoluene	10	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
sec-Butylbenzene	11	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Styrene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
tert-Butylbenzene	5.9	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Tetrachloroethylene	1.3	19	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Toluene	0.7	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Trichloroethylene	0.47	21	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Trichlorofluoromethane	NA	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Vinyl acetate	0.02	NA	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Vinyl chloride	NA	0.9	0.0021	*U*	0.0022	*U*	0.0029	*U*	0.0022	*U*
Xylenes, Total	0.26	100	0.0062	*U*	0.0065	*U*	0.0088	*U*	0.0065	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Note: # = field duplicate of MW-6 (11-13')

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

Table 6: VOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (13-15')**		**SB-06 (7-9')**		**MW-1 (11-13')**		**MW-2 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)		(2014-10-10)		(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	100		1		500		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1,1-Trichloroethane	0.68	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1,2-Trichloroethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1-Dichloroethane	0.27	26	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1-Dichloroethylene	0.33	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,1-Dichloropropylene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2,3-Trichlorobenzene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2,3-Trichloropropane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2,4-Trichlorobenzene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2,4-Trimethylbenzene	3.6	52	0.43	*JD*	0.0022	*U*	0.5	*JD*	0.002	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2-Dibromoethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2-Dichlorobenzene	1.1	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2-Dichloroethane	0.2	31	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,2-Dichloropropane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,3,5-Trimethylbenzene	8.4	52	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,3-Dichlorobenzene	2.4	49	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,3-Dichloropropane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,4-Dichlorobenzene	1.8	13	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
1,4-Dioxane	0.1	13	6.2	*U*	0.044	*U*	10	*U*	0.08	*U*
2,2-Dichloropropane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
2-Butanone	0.12	100	0.31	*U*	0.0022	*U*	0.52	*U*	0.004	*U*
2-Chlorotoluene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
4-Chlorotoluene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Acetone	0.05	100	0.62	*U*	0.017		0.52	*U*	0.032	
Benzene	0.06	48	0.31	*U*	0.0022	*U*	0.76	*D*	0.002	*U*
Bromobenzene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Bromochloromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Bromodichloromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Bromoform	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Bromomethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Carbon tetrachloride	0.76	24	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Chlorobenzene	1.1	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Chloroethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Chloroform	0.37	49	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Chloromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
cis-1,2-Dichloroethylene	0.25	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
cis-1,3-Dichloropropylene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Dibromochloromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Dibromomethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Dichlorodifluoromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Ethyl Benzene	1	41	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Hexachlorobutadiene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Isopropylbenzene	2.3	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Methylene chloride	0.05	500	0.62	*U*	0.0044	*U*	0.52	*U*	0.004	*U*
Naphthalene	12	100	0.31	*U*	0.0022	*U*	52	*D*	0.0083	
n-Butylbenzene	12	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
n-Propylbenzene	3.9	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
o-Xylene	0.26	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
p- & m- Xylenes	0.26	100	1.4	*D*	0.0044	*U*	0.69	*JD*	0.004	*U*
p-Isopropyltoluene	10	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
sec-Butylbenzene	11	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Styrene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
tert-Butylbenzene	5.9	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Tetrachloroethylene	1.3	19	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Toluene	0.7	100	0.38	*JD*	0.0022	*U*	0.37	*JD*	0.002	*U*
trans-1,2-Dichloroethylene	0.19	100	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
trans-1,3-Dichloropropylene	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Trichloroethylene	0.47	21	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Trichlorofluoromethane	NA	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Vinyl acetate	0.02	NA	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Vinyl chloride	NA	0.9	0.31	*U*	0.0022	*U*	0.26	*U*	0.002	*U*
Xylenes, Total	0.26	100	1.6	*JD*	0.0066	*U*	0.94	*JD*	0.006	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Note: # = field duplicate of MW-6 (11-13')

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

Table 6: VOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-3 (11-13')**		**MW-4 (7-9')**		**MW-5 (13-15')**		**MW-6 (13-15')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-10-10)		(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		100	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1,1-Trichloroethane	0.68	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1,2-Trichloroethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1-Dichloroethane	0.27	26	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1-Dichloroethylene	0.33	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,1-Dichloropropylene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2,3-Trichloropropane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2-Dibromoethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2-Dichlorobenzene	1.1	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2-Dichloroethane	0.2	31	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,2-Dichloropropane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,3-Dichlorobenzene	2.4	49	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,3-Dichloropropane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,4-Dichlorobenzene	1.8	13	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
1,4-Dioxane	0.1	13	0.087	*U*	0.045	*U*	0.05	*U*	6.6	*U*
2,2-Dichloropropane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
2-Butanone	0.12	100	0.0043	*U*	0.0023	*U*	0.0044	*J*	0.33	*U*
2-Chlorotoluene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
4-Chlorotoluene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Acetone	0.05	100	0.034		0.016		0.047		0.66	*U*
Benzene	0.06	48	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Bromobenzene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Bromochloromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Bromodichloromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Bromoform	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Bromomethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Carbon tetrachloride	0.76	24	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Chlorobenzene	1.1	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Chloroethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Chloroform	0.37	49	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Chloromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Dibromochloromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Dibromomethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Dichlorodifluoromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Ethyl Benzene	1	41	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Hexachlorobutadiene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Isopropylbenzene	2.3	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Methylene chloride	0.05	500	0.0043	*U*	0.0045	*U*	0.005	*U*	0.66	*U*
Naphthalene	12	100	0.0038	*J*	0.0023	*U*	0.0025	*U*	0.33	*U*
n-Butylbenzene	12	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
n-Propylbenzene	3.9	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
o-Xylene	0.26	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
p- & m- Xylenes	0.26	100	0.0043	*U*	0.0045	*U*	0.005	*U*	0.66	*U*
p-Isopropyltoluene	10	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
sec-Butylbenzene	11	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Styrene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
tert-Butylbenzene	5.9	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Tetrachloroethylene	1.3	19	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Toluene	0.7	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Trichloroethylene	0.47	21	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Trichlorofluoromethane	NA	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Vinyl acetate	0.02	NA	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Vinyl chloride	NA	0.9	0.0022	*U*	0.0023	*U*	0.0025	*U*	0.33	*U*
Xylenes, Total	0.26	100	0.0065	*U*	0.0068	*U*	0.0074	*U*	0.99	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Note: # = field duplicate of MW-6 (11-13')

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

Table 6: VOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-DUPLICATE#**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	100	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.32	*U*
1,1,1-Trichloroethane	0.68	100	0.32	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.32	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.32	*U*
1,1,2-Trichloroethane	NA	NA	0.32	*U*
1,1-Dichloroethane	0.27	26	0.32	*U*
1,1-Dichloroethylene	0.33	100	0.32	*U*
1,1-Dichloropropylene	NA	NA	0.32	*U*
1,2,3-Trichlorobenzene	NA	NA	0.32	*U*
1,2,3-Trichloropropane	NA	NA	0.32	*U*
1,2,4-Trichlorobenzene	NA	NA	0.32	*U*
1,2,4-Trimethylbenzene	3.6	52	0.32	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.32	*U*
1,2-Dibromoethane	NA	NA	0.32	*U*
1,2-Dichlorobenzene	1.1	100	0.32	*U*
1,2-Dichloroethane	0.2	31	0.32	*U*
1,2-Dichloropropane	NA	NA	0.32	*U*
1,3,5-Trimethylbenzene	8.4	52	0.32	*U*
1,3-Dichlorobenzene	2.4	49	0.32	*U*
1,3-Dichloropropane	NA	NA	0.32	*U*
1,4-Dichlorobenzene	1.8	13	0.32	*U*
1,4-Dioxane	0.1	13	6.3	*U*
2,2-Dichloropropane	NA	NA	0.32	*U*
2-Butanone	0.12	100	0.32	*U*
2-Chlorotoluene	NA	NA	0.32	*U*
4-Chlorotoluene	NA	NA	0.32	*U*
Acetone	0.05	100	0.63	*U*
Benzene	0.06	48	0.32	*U*
Bromobenzene	NA	NA	0.32	*U*
Bromochloromethane	NA	NA	0.32	*U*
Bromodichloromethane	NA	NA	0.32	*U*
Bromoform	NA	NA	0.32	*U*
Bromomethane	NA	NA	0.32	*U*
Carbon tetrachloride	0.76	24	0.32	*U*
Chlorobenzene	1.1	100	0.32	*U*
Chloroethane	NA	NA	0.32	*U*
Chloroform	0.37	49	0.32	*U*
Chloromethane	NA	NA	0.32	*U*
cis-1,2-Dichloroethylene	0.25	100	0.32	*U*
cis-1,3-Dichloropropylene	NA	NA	0.32	*U*
Dibromochloromethane	NA	NA	0.32	*U*
Dibromomethane	NA	NA	0.32	*U*
Dichlorodifluoromethane	NA	NA	0.32	*U*
Ethyl Benzene	1	41	0.32	*U*
Hexachlorobutadiene	NA	NA	0.32	*U*
Isopropylbenzene	2.3	100	0.32	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.32	*U*
Methylene chloride	0.05	500	0.63	*U*
Naphthalene	12	100	0.32	*U*
n-Butylbenzene	12	100	0.32	*U*
n-Propylbenzene	3.9	100	0.32	*U*
o-Xylene	0.26	100	0.32	*U*
p- & m- Xylenes	0.26	100	0.63	*U*
p-Isopropyltoluene	10	NA	0.32	*U*
sec-Butylbenzene	11	100	0.32	*U*
Styrene	NA	NA	0.32	*U*
tert-Butylbenzene	5.9	100	0.32	*U*
Tetrachloroethylene	1.3	19	0.32	*U*
Toluene	0.7	100	0.32	*U*
trans-1,2-Dichloroethylene	0.19	100	0.32	*U*
trans-1,3-Dichloropropylene	NA	NA	0.32	*U*
Trichloroethylene	0.47	21	0.32	*U*
Trichlorofluoromethane	NA	NA	0.32	*U*
Vinyl acetate	0.02	NA	0.32	*U*
Vinyl chloride	NA	0.9	0.32	*U*
Xylenes, Total	0.26	100	0.95	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Note: # = field duplicate of MW-6 (11-13')

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

Table 7: SVOCs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2')**		**SB-02 (0-2')**		**SB-03 (0-2')**		**SB-04 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	2		20		25		5	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
1,2-Dichlorobenzene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
1,3-Dichlorobenzene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
1,4-Dichlorobenzene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2,4,5-Trichlorophenol	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2,4,6-Trichlorophenol	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2,4-Dichlorophenol	NA	100	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
2,4-Dimethylphenol	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2,4-Dinitrophenol	NA	100	0.35	*U*	3.58	*U*	4.51	*U*	1.4	*U*
2,4-Dinitrotoluene	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
2,6-Dinitrotoluene	NA	1.03	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2-Chloronaphthalene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2-Chlorophenol	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2-Methylnaphthalene	NA	0.41	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2-Methylphenol	NA	100	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
2-Nitroaniline	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
2-Nitrophenol	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
3- & 4-Methylphenols	NA	100	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
3,3'-Dichlorobenzidine	NA	NA	0.35	*U*	3.58	*U*	4.51	*U*	1.4	*U*
3-Nitroaniline	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
4-Chloro-3-methylphenol	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
4-Chloroaniline	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
4-Nitroaniline	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
4-Nitrophenol	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
Acenaphthene	20	100	0.0881	*U*	0.899	*U*	1.93	*JD*	0.352	*U*
Acenaphthylene	100	100	0.0881	*U*	0.899	*U*	1.27	*JD*	0.352	*U*
Aniline	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Anthracene	100	100	0.0881	*U*	3.62	*D*	5.03	*D*	0.453	*JD*
Benzo(a)anthracene	1	1	0.0881	*U*	**11.7**	*D*	**16.4**	*D*	**2.27**	*D*
Benzo(a)pyrene	1	1	0.0881	*U*	**8.06**	*D*	**11.3**	*D*	**2.27**	*D*
Benzo(b)fluoranthene	1	1	0.0881	*U*	**5.7**	*D*	**13**	*D*	**1.92**	*D*
Benzo(g,h,i)perylene	100	100	0.176	*U*	2.68	*JD*	4.72	*D*	1.55	*D*
Benzo(k)fluoranthene	0.8	3.9	0.0881	*U*	**7.83**	*D*	**11.3**	*D*	1.89	*D*
Benzyl alcohol	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
Benzyl butyl phthalate	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Chrysene	1	3.9	0.103	*JD*	**10.6**	*D*	**15.6**	*D*	2.15	*D*
Dibenzo(a,h)anthracene	0.33	0.33	0.0881	*U*	**1.87**	*JD*	**2.75**	*JD*	**0.615**	*JD*
Dibenzofuran	7	59	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Diethyl phthalate	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Dimethyl phthalate	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Di-n-butyl phthalate	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Di-n-octyl phthalate	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Fluoranthene	100	100	0.245	*JD*	21.8	*D*	31.3	*D*	3.27	*D*
Fluorene	30	100	0.0881	*U*	0.899	*U*	1.65	*JD*	0.352	*U*
Hexachlorobenzene	NA	0.41	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Hexachlorobutadiene	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Hexachlorocyclopentadiene	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
Hexachloroethane	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0881	*U*	**3.28**	*JD*	**5.09**	*D*	**1.34**	*JD*
Isophorone	NA	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Naphthalene	12	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Nitrobenzene	NA	15	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
N-Nitrosodimethylamine	NA	NA	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
N-Nitrosodiphenylamine	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Pentachlorophenol	0.8	6.7	0.176	*U*	1.8	*U*	2.27	*U*	0.704	*U*
Phenanthrene	100	100	0.207	*JD*	11.2	*D*	17.6	*D*	1.05	*JD*
Phenol	0.33	100	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*
Pyrene	100	100	0.247	*JD*	19.5	*D*	27.2	*D*	3.1	*D*
Pyridine	NA	NA	0.0881	*U*	0.899	*U*	1.13	*U*	0.352	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 7: SVOCs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-1 (0-2')**		**MW-2 (0-2')**		**MW-3 (0-2')**		**MW-4 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-09-25)		(2014-09-25)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	10		5		5		5	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
1,2-Dichlorobenzene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
1,3-Dichlorobenzene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
1,4-Dichlorobenzene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2,4,5-Trichlorophenol	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2,4,6-Trichlorophenol	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2,4-Dichlorophenol	NA	100	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
2,4-Dimethylphenol	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2,4-Dinitrophenol	NA	100	2.63	*U*	1.33	*U*	1.35	*U*	0.848	*U*
2,4-Dinitrotoluene	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
2,6-Dinitrotoluene	NA	1.03	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2-Chloronaphthalene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2-Chlorophenol	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2-Methylnaphthalene	NA	0.41	0.662	*U*	0.336	*U*	0.39	*JD*	0.213	*U*
2-Methylphenol	NA	100	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
2-Nitroaniline	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
2-Nitrophenol	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
3- & 4-Methylphenols	NA	100	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
3,3'-Dichlorobenzidine	NA	NA	2.63	*U*	1.33	*U*	1.35	*U*	0.848	*U*
3-Nitroaniline	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
4,6-Dinitro-2-methylphenol	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
4-Bromophenyl phenyl ether	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
4-Chloro-3-methylphenol	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
4-Chloroaniline	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
4-Nitroaniline	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
4-Nitrophenol	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
Acenaphthene	20	100	0.662	*U*	0.378	*JD*	1.28	*JD*	0.213	*U*
Acenaphthylene	100	100	0.662	*U*	0.336	*U*	0.339	*JD*	0.213	*U*
Aniline	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Anthracene	100	100	0.662	*U*	0.671	*JD*	2.59	*D*	0.213	*U*
Benzo(a)anthracene	1	1	0.662	*U*	**1.55**	*D*	**4.2**	*D*	0.96	*D*
Benzo(a)pyrene	1	1	0.662	*U*	0.882	*JD*	**1.99**	*D*	0.738	*JD*
Benzo(b)fluoranthene	1	1	0.662	*U*	0.748	*JD*	**1.52**	*D*	0.564	*JD*
Benzo(g,h,i)perylene	100	100	1.32	*U*	0.671	*U*	1.05	*JD*	0.427	*U*
Benzo(k)fluoranthene	0.8	3.9	0.662	*U*	1.02	*JD*	2.3	*D*	0.675	*JD*
Benzyl alcohol	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
Benzyl butyl phthalate	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Bis(2-chloroethyl)ether	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Chrysene	1	3.9	0.662	*U*	1.67	*D*	**5.76**	*D*	1.02	*D*
Dibenzo(a,h)anthracene	0.33	0.33	0.662	*U*	0.336	*U*	**0.599**	*JD*	0.213	*U*
Dibenzofuran	7	59	0.662	*U*	0.336	*U*	0.704	*JD*	0.213	*U*
Diethyl phthalate	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Dimethyl phthalate	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Di-n-butyl phthalate	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Di-n-octyl phthalate	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Fluoranthene	100	100	0.662	*U*	3.69	*D*	11.3	*D*	1.49	*D*
Fluorene	30	100	0.662	*U*	0.336	*U*	0.976	*JD*	0.213	*U*
Hexachlorobenzene	NA	0.41	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Hexachlorobutadiene	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Hexachlorocyclopentadiene	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
Hexachloroethane	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.662	*U*	0.413	*JD*	**1.06**	*JD*	0.31	*JD*
Isophorone	NA	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Naphthalene	12	100	0.662	*U*	0.336	*U*	0.586	*JD*	0.213	*U*
Nitrobenzene	NA	15	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
N-Nitrosodimethylamine	NA	NA	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
N-nitroso-di-n-propylamine	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
N-Nitrosodiphenylamine	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Pentachlorophenol	0.8	6.7	1.32	*U*	0.671	*U*	0.677	*U*	0.427	*U*
Phenanthrene	100	100	0.662	*U*	3.16	*D*	11.7	*D*	0.613	*JD*
Phenol	0.33	100	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*
Pyrene	100	100	0.662	*U*	3.21	*D*	10.6	*D*	1.46	*D*
Pyridine	NA	NA	0.662	*U*	0.336	*U*	0.339	*U*	0.213	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 7: SVOCs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-5 (0-2')**		**MW-6 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.0429	*U*	0.0443	*U*
1,2-Dichlorobenzene	NA	NA	0.0429	*U*	0.0443	*U*
1,3-Dichlorobenzene	NA	NA	0.0429	*U*	0.0443	*U*
1,4-Dichlorobenzene	NA	NA	0.0429	*U*	0.0443	*U*
2,4,5-Trichlorophenol	NA	100	0.0429	*U*	0.0443	*U*
2,4,6-Trichlorophenol	NA	NA	0.0429	*U*	0.0443	*U*
2,4-Dichlorophenol	NA	100	0.0858	*U*	0.0885	*U*
2,4-Dimethylphenol	NA	NA	0.0429	*U*	0.0443	*U*
2,4-Dinitrophenol	NA	100	0.171	*U*	0.176	*U*
2,4-Dinitrotoluene	NA	NA	0.0858	*U*	0.0885	*U*
2,6-Dinitrotoluene	NA	1.03	0.0429	*U*	0.0443	*U*
2-Chloronaphthalene	NA	NA	0.0429	*U*	0.0443	*U*
2-Chlorophenol	NA	100	0.0429	*U*	0.0443	*U*
2-Methylnaphthalene	NA	0.41	0.0429	*U*	0.0443	*U*
2-Methylphenol	NA	100	0.0858	*U*	0.0885	*U*
2-Nitroaniline	NA	NA	0.0429	*U*	0.0443	*U*
2-Nitrophenol	NA	NA	0.0429	*U*	0.0443	*U*
3- & 4-Methylphenols	NA	100	0.0858	*U*	0.0885	*U*
3,3'-Dichlorobenzidine	NA	NA	0.171	*U*	0.176	*U*
3-Nitroaniline	NA	NA	0.0858	*U*	0.0885	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0858	*U*	0.0885	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0429	*U*	0.0443	*U*
4-Chloro-3-methylphenol	NA	NA	0.0858	*U*	0.0885	*U*
4-Chloroaniline	NA	NA	0.0858	*U*	0.0885	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0429	*U*	0.0443	*U*
4-Nitroaniline	NA	NA	0.0858	*U*	0.0885	*U*
4-Nitrophenol	NA	NA	0.0858	*U*	0.0885	*U*
Acenaphthene	20	100	0.0429	*U*	0.0443	*U*
Acenaphthylene	100	100	0.0429	*U*	0.0443	*U*
Aniline	NA	100	0.0429	*U*	0.0443	*U*
Anthracene	100	100	0.0429	*U*	0.0443	*U*
Benzo(a)anthracene	1	1	0.121	*J*	0.0667	*J*
Benzo(a)pyrene	1	1	0.114	*J*	0.0587	*J*
Benzo(b)fluoranthene	1	1	0.0824	*J*	0.0474	*J*
Benzo(g,h,i)perylene	100	100	0.0858	*U*	0.0885	*U*
Benzo(k)fluoranthene	0.8	3.9	0.103	*J*	0.0604	*J*
Benzyl alcohol	NA	NA	0.0858	*U*	0.0885	*U*
Benzyl butyl phthalate	NA	NA	0.0429	*U*	0.0443	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0429	*U*	0.0443	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0429	*U*	0.0443	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0429	*U*	0.0443	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0429	*U*	0.0443	*U*
Chrysene	1	3.9	0.127	*J*	0.0699	*J*
Dibenzo(a,h)anthracene	0.33	0.33	0.0429	*U*	0.0443	*U*
Dibenzofuran	7	59	0.0429	*U*	0.0443	*U*
Diethyl phthalate	NA	100	0.0429	*U*	0.0443	*U*
Dimethyl phthalate	NA	100	0.0429	*U*	0.0443	*U*
Di-n-butyl phthalate	NA	100	0.0429	*U*	0.0443	*U*
Di-n-octyl phthalate	NA	100	0.0429	*U*	0.0443	*U*
Fluoranthene	100	100	0.211		0.11	*J*
Fluorene	30	100	0.0429	*U*	0.0443	*U*
Hexachlorobenzene	NA	0.41	0.0429	*U*	0.0443	*U*
Hexachlorobutadiene	NA	NA	0.0429	*U*	0.0443	*U*
Hexachlorocyclopentadiene	NA	NA	0.0858	*U*	0.0885	*U*
Hexachloroethane	NA	NA	0.0429	*U*	0.0443	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0681	*J*	0.0443	*U*
Isophorone	NA	100	0.0429	*U*	0.0443	*U*
Naphthalene	12	100	0.0429	*U*	0.0443	*U*
Nitrobenzene	NA	15	0.0429	*U*	0.0443	*U*
N-Nitrosodimethylamine	NA	NA	0.0858	*U*	0.0885	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0429	*U*	0.0443	*U*
N-Nitrosodiphenylamine	NA	NA	0.0429	*U*	0.0443	*U*
Pentachlorophenol	0.8	6.7	0.0858	*U*	0.0885	*U*
Phenanthrene	100	100	0.0936	*J*	0.0443	*U*
Phenol	0.33	100	0.0429	*U*	0.0443	*U*
Pyrene	100	100	0.212		0.113	*J*
Pyridine	NA	NA	0.0429	*U*	0.0443	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 8: SVOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (11-13')**		**SB-02 (11-13')**		**SB-03 (11-13')**		**SB-04 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		20		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
1,2-Dichlorobenzene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
1,3-Dichlorobenzene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
1,4-Dichlorobenzene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2,4,5-Trichlorophenol	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2,4,6-Trichlorophenol	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2,4-Dichlorophenol	NA	100	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
2,4-Dimethylphenol	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2,4-Dinitrophenol	NA	100	0.19	*U*	0.197	*U*	4.3	*U*	0.289	*U*
2,4-Dinitrotoluene	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
2,6-Dinitrotoluene	NA	1.03	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2-Chloronaphthalene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2-Chlorophenol	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2-Methylnaphthalene	NA	0.41	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2-Methylphenol	NA	100	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
2-Nitroaniline	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
2-Nitrophenol	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
3- & 4-Methylphenols	NA	100	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
3,3'-Dichlorobenzidine	NA	NA	0.19	*U*	0.197	*U*	4.3	*U*	0.289	*U*
3-Nitroaniline	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
4-Chloro-3-methylphenol	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
4-Chloroaniline	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
4-Nitroaniline	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
4-Nitrophenol	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
Acenaphthene	20	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Acenaphthylene	100	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Aniline	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Anthracene	100	100	0.0478	*U*	0.0495	*U*	2.2	*JD*	0.0726	*U*
Benzo(a)anthracene	1	1	0.0478	*U*	0.0495	*U*	**8.47**	*D*	0.0726	*U*
Benzo(a)pyrene	1	1	0.0478	*U*	0.0495	*U*	**5.76**	*D*	0.0726	*U*
Benzo(b)fluoranthene	1	1	0.0478	*U*	0.0495	*U*	**4.04**	*JD*	0.0726	*U*
Benzo(g,h,i)perylene	100	100	0.0957	*U*	0.099	*U*	2.27	*JD*	0.145	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0478	*U*	0.0495	*U*	**5.34**	*D*	0.0726	*U*
Benzyl alcohol	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
Benzyl butyl phthalate	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Chrysene	1	3.9	0.0478	*U*	0.0495	*U*	**8.35**	*D*	0.0726	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0478	*U*	0.0495	*U*	**1.26**	*JD*	0.0726	*U*
Dibenzofuran	7	59	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Diethyl phthalate	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Dimethyl phthalate	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Di-n-butyl phthalate	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Di-n-octyl phthalate	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Fluoranthene	100	100	0.0478	*U*	0.0495	*U*	14.9	*D*	0.0726	*U*
Fluorene	30	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Hexachlorobenzene	NA	0.41	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Hexachlorobutadiene	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Hexachlorocyclopentadiene	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
Hexachloroethane	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0478	*U*	0.0495	*U*	**2.33**	*JD*	0.0726	*U*
Isophorone	NA	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Naphthalene	12	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.139	*J*
Nitrobenzene	NA	15	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
N-Nitrosodimethylamine	NA	NA	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
N-Nitrosodiphenylamine	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Pentachlorophenol	0.8	6.7	0.0957	*U*	0.099	*U*	2.16	*U*	0.145	*U*
Phenanthrene	100	100	0.0478	*U*	0.0495	*U*	9.85	*D*	0.0726	*U*
Phenol	0.33	100	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*
Pyrene	100	100	0.0478	*U*	0.0495	*U*	16	*D*	0.0726	*U*
Pyridine	NA	NA	0.0478	*U*	0.0495	*U*	1.08	*U*	0.0726	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs
NT = Not Tested

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

Table 8: SVOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-05 (13-15')**		**SB-06 (7-9')**		**MW-1 (11-13')**		**MW-2 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)		(2014-10-10)		(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		1		500		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
1,2-Dichlorobenzene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
1,3-Dichlorobenzene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
1,4-Dichlorobenzene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
2,4,5-Trichlorophenol	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
2,4,6-Trichlorophenol	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
2,4-Dichlorophenol	NA	100	**NT**		**NT**		73	*U*	0.145	*U*
2,4-Dimethylphenol	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
2,4-Dinitrophenol	NA	100	**NT**		**NT**		145	*U*	0.288	*U*
2,4-Dinitrotoluene	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
2,6-Dinitrotoluene	NA	1.03	**NT**		**NT**		36.5	*U*	0.0723	*U*
2-Chloronaphthalene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
2-Chlorophenol	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
2-Methylnaphthalene	NA	0.41	0.249	*U*	0.0492	*U*	**244**	*D*	0.0723	*U*
2-Methylphenol	NA	100	**NT**		**NT**		73	*U*	0.145	*U*
2-Nitroaniline	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
2-Nitrophenol	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
3- & 4-Methylphenols	NA	100	**NT**		**NT**		73	*U*	0.145	*U*
3,3'-Dichlorobenzidine	NA	NA	**NT**		**NT**		145	*U*	0.288	*U*
3-Nitroaniline	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
4,6-Dinitro-2-methylphenol	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
4-Bromophenyl phenyl ether	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
4-Chloro-3-methylphenol	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
4-Chloroaniline	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
4-Chlorophenyl phenyl ether	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
4-Nitroaniline	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
4-Nitrophenol	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
Acenaphthene	20	100	0.249	*U*	0.0492	*U*	**148**	*D*	0.0723	*U*
Acenaphthylene	100	100	0.249	*U*	0.0492	*U*	**166**	*D*	0.0723	*U*
Aniline	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Anthracene	100	100	0.249	*U*	0.0492	*U*	**266**	*D*	0.0723	*U*
Benzo(a)anthracene	1	1	0.269	*JD*	0.0492	*U*	**145**	*JD*	0.0723	*U*
Benzo(a)pyrene	1	1	0.249	*U*	0.0492	*U*	**60.3**	*JD*	0.0723	*U*
Benzo(b)fluoranthene	1	1	0.249	*U*	0.0492	*U*	**47.5**	*JD*	0.0723	*U*
Benzo(g,h,i)perylene	100	100	0.498	*U*	0.0983	*U*	73	*U*	0.145	*U*
Benzo(k)fluoranthene	0.8	3.9	0.249	*U*	0.0492	*U*	**71.9**	*JD*	0.0723	*U*
Benzyl alcohol	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
Benzyl butyl phthalate	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Bis(2-chloroethoxy)methane	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Bis(2-chloroethyl)ether	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Bis(2-chloroisopropyl)ether	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Bis(2-ethylhexyl)phthalate	NA	50	**NT**		**NT**		36.5	*U*	0.0723	*U*
Chrysene	1	3.9	0.557	*JD*	0.0492	*U*	**171**	*D*	0.0723	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.249	*U*	0.0492	*U*	36.5	*U*	0.0723	*U*
Dibenzofuran	7	59	**NT**		**NT**		**204**	*D*	0.0723	*U*
Diethyl phthalate	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Dimethyl phthalate	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Di-n-butyl phthalate	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Di-n-octyl phthalate	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Fluoranthene	100	100	0.334	*JD*	0.0492	*U*	**555**	*D*	0.127	*J*
Fluorene	30	100	0.249	*U*	0.0492	*U*	**241**	*D*	0.0723	*U*
Hexachlorobenzene	NA	0.41	**NT**		**NT**		36.5	*U*	0.0723	*U*
Hexachlorobutadiene	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Hexachlorocyclopentadiene	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
Hexachloroethane	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.249	*U*	0.0492	*U*	36.5	*U*	0.0723	*U*
Isophorone	NA	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Naphthalene	12	100	0.249	*U*	0.0492	*U*	**1,290**	*D*	0.386	
Nitrobenzene	NA	15	**NT**		**NT**		36.5	*U*	0.0723	*U*
N-Nitrosodimethylamine	NA	NA	**NT**		**NT**		73	*U*	0.145	*U*
N-nitroso-di-n-propylamine	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
N-Nitrosodiphenylamine	NA	NA	**NT**		**NT**		36.5	*U*	0.0723	*U*
Pentachlorophenol	0.8	6.7	**NT**		**NT**		73	*U*	0.145	*U*
Phenanthrene	100	100	**NT**		**NT**		**919**	*D*	0.172	*J*
Phenol	0.33	100	**NT**		**NT**		36.5	*U*	0.0723	*U*
Pyrene	100	100	0.928	*JD*	0.0492	*U*	**462**	*D*	0.107	*J*
Pyridine	NA	NA	0.701	*JD*	0.0492	*U*	36.5	*U*	0.0723	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs
NT = Not Tested

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

Table 8: SVOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-3 (11-13')**		**MW-4 (7-9')**		**MW-5 (13-15')**		**MW-6 (13-15')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-10-10)		(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		1		2	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
1,2-Dichlorobenzene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
1,3-Dichlorobenzene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
1,4-Dichlorobenzene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
2,4,5-Trichlorophenol	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
2,4,6-Trichlorophenol	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
2,4-Dichlorophenol	NA	100	0.707	*U*	**NT**		**NT**		**NT**	
2,4-Dimethylphenol	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
2,4-Dinitrophenol	NA	100	1.41	*U*	**NT**		**NT**		**NT**	
2,4-Dinitrotoluene	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
2,6-Dinitrotoluene	NA	1.03	0.354	*U*	**NT**		**NT**		**NT**	
2-Chloronaphthalene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
2-Chlorophenol	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
2-Methylnaphthalene	NA	0.41	0.354	*U*	0.231	*U*	0.0515	*U*	0.103	*U*
2-Methylphenol	NA	100	0.707	*U*	**NT**		**NT**		**NT**	
2-Nitroaniline	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
2-Nitrophenol	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
3- & 4-Methylphenols	NA	100	0.707	*U*	**NT**		**NT**		**NT**	
3,3'-Dichlorobenzidine	NA	NA	1.41	*U*	**NT**		**NT**		**NT**	
3-Nitroaniline	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
4,6-Dinitro-2-methylphenol	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
4-Bromophenyl phenyl ether	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
4-Chloro-3-methylphenol	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
4-Chloroaniline	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
4-Chlorophenyl phenyl ether	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
4-Nitroaniline	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
4-Nitrophenol	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
Acenaphthene	20	100	0.354	*U*	0.231	*U*	0.0515	*U*	0.103	*U*
Acenaphthylene	100	100	0.354	*U*	0.231	*U*	0.0515	*U*	0.103	*U*
Aniline	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Anthracene	100	100	0.354	*U*	0.382	*JD*	0.0515	*U*	0.103	*U*
Benzo(a)anthracene	1	1	0.354	*U*	0.809	*JD*	0.0515	*U*	0.103	*U*
Benzo(a)pyrene	1	1	0.354	*U*	0.609	*JD*	0.0515	*U*	0.103	*U*
Benzo(b)fluoranthene	1	1	0.354	*U*	0.657	*JD*	0.0515	*U*	0.103	*U*
Benzo(g,h,i)perylene	100	100	0.707	*U*	0.504	*JD*	0.103	*U*	0.206	*U*
Benzo(k)fluoranthene	0.8	3.9	0.354	*U*	0.547	*JD*	0.0515	*U*	0.103	*U*
Benzyl alcohol	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
Benzyl butyl phthalate	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Bis(2-chloroethoxy)methane	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Bis(2-chloroethyl)ether	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Bis(2-chloroisopropyl)ether	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Bis(2-ethylhexyl)phthalate	NA	50	0.354	*U*	**NT**		**NT**		**NT**	
Chrysene	1	3.9	0.354	*U*	0.77	*JD*	0.0515	*U*	0.106	*JD*
Dibenzo(a,h)anthracene	0.33	0.33	0.354	*U*	0.271	*JD*	0.0515	*U*	0.103	*U*
Dibenzofuran	7	59	0.354	*U*	**NT**		**NT**		**NT**	
Diethyl phthalate	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Dimethyl phthalate	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Di-n-butyl phthalate	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Di-n-octyl phthalate	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Fluoranthene	100	100	0.354	*U*	2.16	*D*	0.0515	*U*	0.205	*JD*
Fluorene	30	100	0.354	*U*	0.231	*U*	0.0515	*U*	0.103	*U*
Hexachlorobenzene	NA	0.41	0.354	*U*	**NT**		**NT**		**NT**	
Hexachlorobutadiene	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Hexachlorocyclopentadiene	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
Hexachloroethane	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.354	*U*	0.457	*JD*	0.0515	*U*	0.103	*U*
Isophorone	NA	100	0.354	*U*	**NT**		**NT**		**NT**	
Naphthalene	12	100	1.49	*D*	0.231	*U*	0.0515	*U*	0.103	*U*
Nitrobenzene	NA	15	0.354	*U*	**NT**		**NT**		**NT**	
N-Nitrosodimethylamine	NA	NA	0.707	*U*	**NT**		**NT**		**NT**	
N-nitroso-di-n-propylamine	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
N-Nitrosodiphenylamine	NA	NA	0.354	*U*	**NT**		**NT**		**NT**	
Pentachlorophenol	0.8	6.7	0.707	*U*	**NT**		**NT**		**NT**	
Phenanthrene	100	100	0.354	*U*	**NT**		**NT**		**NT**	
Phenol	0.33	100	0.354	*U*	**NT**		**NT**		**NT**	
Pyrene	100	100	0.354	*U*	1.76	*D*	0.0515	*U*	0.12	*JD*
Pyridine	NA	NA	0.354	*U*	1.17	*D*	0.0515	*U*	0.184	*JD*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs
NT = Not Tested

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

Table 8: SVOCs in Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-DUPLICATE**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	**NT**	
1,2-Dichlorobenzene	NA	NA	**NT**	
1,3-Dichlorobenzene	NA	NA	**NT**	
1,4-Dichlorobenzene	NA	NA	**NT**	
2,4,5-Trichlorophenol	NA	100	**NT**	
2,4,6-Trichlorophenol	NA	NA	**NT**	
2,4-Dichlorophenol	NA	100	**NT**	
2,4-Dimethylphenol	NA	NA	**NT**	
2,4-Dinitrophenol	NA	100	**NT**	
2,4-Dinitrotoluene	NA	NA	**NT**	
2,6-Dinitrotoluene	NA	1.03	**NT**	
2-Chloronaphthalene	NA	NA	**NT**	
2-Chlorophenol	NA	100	**NT**	
2-Methylnaphthalene	NA	0.41	0.0478	*U*
2-Methylphenol	NA	100	**NT**	
2-Nitroaniline	NA	NA	**NT**	
2-Nitrophenol	NA	NA	**NT**	
3- & 4-Methylphenols	NA	100	**NT**	
3,3'-Dichlorobenzidine	NA	NA	**NT**	
3-Nitroaniline	NA	NA	**NT**	
4,6-Dinitro-2-methylphenol	NA	NA	**NT**	
4-Bromophenyl phenyl ether	NA	NA	**NT**	
4-Chloro-3-methylphenol	NA	NA	**NT**	
4-Chloroaniline	NA	NA	**NT**	
4-Chlorophenyl phenyl ether	NA	NA	**NT**	
4-Nitroaniline	NA	NA	**NT**	
4-Nitrophenol	NA	NA	**NT**	
Acenaphthene	20	100	0.0478	*U*
Acenaphthylene	100	100	0.0478	*U*
Aniline	NA	100	**NT**	
Anthracene	100	100	0.0478	*U*
Benzo(a)anthracene	1	1	0.0668	*J*
Benzo(a)pyrene	1	1	0.0774	*J*
Benzo(b)fluoranthene	1	1	0.0478	*J*
Benzo(g,h,i)perylene	100	100	0.0956	*U*
Benzo(k)fluoranthene	0.8	3.9	0.063	*J*
Benzyl alcohol	NA	NA	**NT**	
Benzyl butyl phthalate	NA	NA	**NT**	
Bis(2-chloroethoxy)methane	NA	NA	**NT**	
Bis(2-chloroethyl)ether	NA	NA	**NT**	
Bis(2-chloroisopropyl)ether	NA	NA	**NT**	
Bis(2-ethylhexyl)phthalate	NA	50	**NT**	
Chrysene	1	3.9	0.0884	*J*
Dibenzo(a,h)anthracene	0.33	0.33	0.0478	*U*
Dibenzofuran	7	59	**NT**	
Diethyl phthalate	NA	100	**NT**	
Dimethyl phthalate	NA	100	**NT**	
Di-n-butyl phthalate	NA	100	**NT**	
Di-n-octyl phthalate	NA	100	**NT**	
Fluoranthene	100	100	0.123	*J*
Fluorene	30	100	0.0478	*U*
Hexachlorobenzene	NA	0.41	**NT**	
Hexachlorobutadiene	NA	NA	**NT**	
Hexachlorocyclopentadiene	NA	NA	**NT**	
Hexachloroethane	NA	NA	**NT**	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0478	*U*
Isophorone	NA	100	**NT**	
Naphthalene	12	100	0.0478	*U*
Nitrobenzene	NA	15	**NT**	
N-Nitrosodimethylamine	NA	NA	**NT**	
N-nitroso-di-n-propylamine	NA	NA	**NT**	
N-Nitrosodiphenylamine	NA	NA	**NT**	
Pentachlorophenol	0.8	6.7	**NT**	
Phenanthrene	100	100	**NT**	
Phenol	0.33	100	**NT**	
Pyrene	100	100	0.0827	*J*
Pyridine	NA	NA	0.145	*J*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs
NT = Not Tested

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

Table 9: Pesticides and PCBs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2')**		**SB-02 (0-2')**		**SB-03 (0-2')**		**SB-04 (0-2')**		**MW-1 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
4,4'-DDE	0.0033	8.9	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
4,4'-DDT	0.0033	7.9	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Aldrin	0.005	0.097	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
alpha-BHC	0.02	0.48	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
alpha-Chlordane	0.094	4.2	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
beta-BHC	0.036	0.36	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Chlordane, total	NA	0.05	0.0692	*U*	0.0707	*U*	0.0713	*U*	0.0738	*U*	0.0694	*U*
delta-BHC	0.04	100	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Dieldrin	0.005	0.2	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endosulfan I	2.4	24	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endosulfan II	2.4	24	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endosulfan sulfate	2.4	24	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endrin	0.014	11	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endrin aldehyde	NA	NA	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Endrin ketone	NA	NA	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
gamma-Chlordane	NA	0.54	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Heptachlor	0.042	2.1	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Heptachlor Epoxide	NA	0.077	0.00173	*U*	0.00177	*U*	0.00178	*U*	0.00184	*U*	0.00173	*U*
Methoxychlor	NA	100	0.00865	*U*	0.00883	*U*	0.00891	*U*	0.00922	*U*	0.00867	*U*
Toxaphene	NA	NA	0.0876	*U*	0.0894	*U*	0.0902	*U*	0.0933	*U*	0.0878	*U*

		Sample ID	**SB-01 (0-2')**		**SB-02 (0-2')**		**SB-03 (0-2')**		**SB-04 (0-2')**		**MW-1 (0-2')**	
		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)		(2014-09-25)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1221	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1232	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1242	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1248	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1254	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor 1260	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*
Aroclor, Total	0.1	1.00	0.0175	*U*	0.0178	*U*	0.018	*U*	0.0186	*U*	0.0175	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 9: Pesticides and PCBs in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-2 (0-2')**		**MW-3 (0-2')**		**MW-4 (0-2')**		**MW-5 (0-2')**		**MW-6 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-09-25)		(2014-10-10)		(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
4,4'-DDE	0.0033	8.9	0.00176	*U*	0.00194	*D*	0.00168	*U*	0.00169	*U*	0.00174	*U*
4,4'-DDT	0.0033	7.9	0.00176	*U*	0.0088	*D*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Aldrin	0.005	0.097	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
alpha-BHC	0.02	0.48	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
alpha-Chlordane	0.094	4.2	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
beta-BHC	0.036	0.36	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Chlordane, total	NA	0.05	0.0703	*U*	0.071	*U*	0.067	*U*	0.0674	*U*	0.0695	*U*
delta-BHC	0.04	100	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Dieldrin	0.005	0.2	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endosulfan I	2.4	24	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endosulfan II	2.4	24	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endosulfan sulfate	2.4	24	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endrin	0.014	11	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endrin aldehyde	NA	NA	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Endrin ketone	NA	NA	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
gamma-Chlordane	NA	0.54	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Heptachlor	0.042	2.1	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Heptachlor Epoxide	NA	0.077	0.00176	*U*	0.00177	*U*	0.00168	*U*	0.00169	*U*	0.00174	*U*
Methoxychlor	NA	100	0.00879	*U*	0.00887	*U*	0.00838	*U*	0.00843	*U*	0.00869	*U*
Toxaphene	NA	NA	0.089	*U*	0.0898	*U*	0.0848	*U*	0.0853	*U*	0.088	*U*

		Sample ID	**MW-2 (0-2')**		**MW-3 (0-2')**		**MW-4 (0-2')**		**MW-5 (0-2')**		**MW-6 (0-2')**	
		Sample Date	(2014-09-25)		(2014-09-25)		(2014-10-10)		(2014-10-10)		(2014-10-10)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1221	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1232	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1242	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1248	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1254	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.017	*U*	0.0176	*U*
Aroclor 1260	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.027		0.0176	*U*
Aroclor, Total	0.1	1.00	0.0177	*U*	0.0179	*U*	0.0169	*U*	0.027		0.0176	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 10: Pesticides and PCBs Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (11-13')**		**SB-02 (11-13')**		**SB-03 (11-13')**		**SB-04 (11-13')**		**MW-1 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
4,4'-DDE	0.0033	8.9	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
4,4'-DDT	0.0033	7.9	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Aldrin	0.005	0	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
alpha-BHC	0.02	0.48	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
alpha-Chlordane	0.094	4.2	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
beta-BHC	0.036	0.36	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Chlordane, total	NA	NA	0.0752	*U*	0.0778	*U*	0.085	*U*	0.076	*U*	0.0765	*U*
delta-BHC	0.04	100	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Dieldrin	0.005	0.2	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endosulfan I	2.4	24	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endosulfan II	2.4	24	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endosulfan sulfate	2.4	24	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endrin	0.014	11	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endrin aldehyde	NA	NA	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Endrin ketone	NA	NA	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
gamma-Chlordane	NA	0.54	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Heptachlor	0.042	2.1	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Heptachlor Epoxide	NA	0.077	0.00188	*U*	0.00195	*U*	0.00212	*U*	0.0019	*U*	0.00191	*U*
Methoxychlor	NA	100	0.0094	*U*	0.00973	*U*	0.0106	*U*	0.0095	*U*	0.00956	*U*
Toxaphene	NA	NA	0.0951	*U*	0.0984	*U*	0.107	*U*	0.0962	*U*	0.0968	*U*

		Sample ID	**SB-01 (11-13')**		**SB-02 (11-13')**		**SB-03 (11-13')**		**SB-04 (11-13')**		**MW-1 (11-13')**	
		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)		(2014-09-25)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1221	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1232	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1242	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1248	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1254	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor 1260	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*
Aroclor, Total	0.1	1.00	0.019	*U*	0.0196	*U*	0.0214	*U*	0.0192	*U*	0.0193	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 10: Pesticides and PCBs Subsurface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-2 (11-13')**		**MW-3 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00189	*U*	0.00185	*U*
4,4'-DDE	0.0033	8.9	0.00189	*U*	0.00185	*U*
4,4'-DDT	0.0033	7.9	0.00189	*U*	0.00185	*U*
Aldrin	0.005	0	0.00189	*U*	0.00185	*U*
alpha-BHC	0.02	0.48	0.00189	*U*	0.00185	*U*
alpha-Chlordane	0.094	4.2	0.00189	*U*	0.00185	*U*
beta-BHC	0.036	0.36	0.00189	*U*	0.00185	*U*
Chlordane, total	NA	NA	0.0758	*U*	0.0741	*U*
delta-BHC	0.04	100	0.00189	*U*	0.00185	*U*
Dieldrin	0.005	0.2	0.00189	*U*	0.00185	*U*
Endosulfan I	2.4	24	0.00189	*U*	0.00185	*U*
Endosulfan II	2.4	24	0.00189	*U*	0.00185	*U*
Endosulfan sulfate	2.4	24	0.00189	*U*	0.00185	*U*
Endrin	0.014	11	0.00189	*U*	0.00185	*U*
Endrin aldehyde	NA	NA	0.00189	*U*	0.00185	*U*
Endrin ketone	NA	NA	0.00189	*U*	0.00185	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00189	*U*	0.00185	*U*
gamma-Chlordane	NA	0.54	0.00189	*U*	0.00185	*U*
Heptachlor	0.042	2.1	0.00189	*U*	0.00185	*U*
Heptachlor Epoxide	NA	0.077	0.00189	*U*	0.00185	*U*
Methoxychlor	NA	100	0.00947	*U*	0.00926	*U*
Toxaphene	NA	NA	0.0959	*U*	0.0937	*U*

		Sample ID	**MW-2 (11-13')**		**MW-3 (11-13')**	
		Sample Date	(2014-09-25)		(2014-09-25)	
		Dilution Factor	1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1221	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1232	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1242	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1248	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1254	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor 1260	0.1	1.00	0.0191	*U*	0.0187	*U*
Aroclor, Total	0.1	1.00	0.0191	*U*	0.0187	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 11: TAL Metals in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (0-2')**		**SB-02 (0-2')**		**SB-03 (0-2')**		**SB-04 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	4,960		6,910		5,640		10,200	
Antimony	NA	NA	0.524	*U*	0.628		1.48		0.559	*U*
Arsenic	13	16	2.77		5.7		6.58		3.08	
Barium	350	400	75		145		182		77.8	
Beryllium	7.2	72	0.105	*U*	0.107	*U*	0.108	*U*	0.112	*U*
Cadmium	2.5	4.3	0.315	*U*	0.321	*U*	0.568		0.335	*U*
Calcium	NA	NA	10,800		9,470		4,770		3,690	
Chromium	30	180	12.6		20.3		24.3		16	
Chromium (hexavalent)	NA	110	**NT**		**NT**		**NT**		**NT**	
Cobalt	NA	30	8.39		8.88		7.88		8.06	
Copper	50	270	26.6		101		**1,560**		23.8	
Iron	NA	2,000	**15,700**		**21,000**		**16,900**		**15,000**	
Lead	63	400	76		254		377		105	
Magnesium	NA	NA	6,220		4,110		2,370		3,230	
Manganese	1,600	2,000	329		464		528		264	
Mercury	0.18	0.81	0.331		0.172		**0.983**		0.135	
Nickel	30	310	14.5		23.5		26.7		18.6	
Potassium	NA	NA	1,410		1,480		890		2,020	
Selenium	3.90	180	2.1		3.62		3.81		1.12	*U*
Silver	2	180	0.524	*U*	0.535	*U*	4.97		0.559	*U*
Sodium	NA	NA	89.5		159		138		336	
Thallium	NA	NA	1.05	*U*	1.07	*U*	1.08	*U*	1.12	*U*
Vanadium	NA	100	18.1		27.4		25.6		23.3	
Zinc	109	2,200	102		708		769		99	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 11: TAL Metals in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-1 (0-2')**		**MW-2 (0-2')**		**MW-3 (0-2')**		**MW-4 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-09-25)		(2014-09-25)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	8,200		8,830		7,400		5,340	
Antimony	NA	NA	0.526	*U*	0.533	*U*	0.538	*U*	0.508	*U*
Arsenic	13	16	4.7		6.03		4.59		1.9	
Barium	350	400	99		128		137		44.7	
Beryllium	7.2	72	0.105	*U*	0.107	*U*	0.108	*U*	0.102	*U*
Cadmium	2.5	4.3	0.315	*U*	0.32	*U*	0.323	*U*	0.305	*U*
Calcium	NA	NA	12,900		6,820		10,700		5,440	
Chromium	30	180	17.4		15.1		18.2		11.8	
Chromium (hexavalent)	NA	110	**NT**		**NT**		**NT**		0.508	*U*
Cobalt	NA	30	7.38		7.66		8.56		4.69	
Copper	50	270	72.4		48.1		53		19.2	
Iron	NA	2,000	**16,400**		**22,800**		**18,600**		**9,660**	
Lead	63	400	157		322		149		65.3	
Magnesium	NA	NA	4,220		3,470		3,670		3,180	
Manganese	1,600	2,000	330		335		268		251	
Mercury	0.18	0.81	0.147		0.176		0.227		0.0432	
Nickel	30	310	20.3		20.6		19.4		12.1	
Potassium	NA	NA	1,670		1,640		1,800		861	
Selenium	3.90	180	1.05	*U*	1.07	*U*	1.08	*U*	1.02	*U*
Silver	2	180	0.526	*U*	0.533	*U*	0.538	*U*	0.508	*U*
Sodium	NA	NA	211		169		170		148	
Thallium	NA	NA	1.05	*U*	1.07	*U*	1.08	*U*	1.02	*U*
Vanadium	NA	100	27.2		30.3		28.7		15.5	
Zinc	109	2,200	678		230		168		55.7	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 11: TAL Metals in Surface Soils

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-5 (0-2')**		**MW-6 (0-2')**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-10)		(2014-10-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	4,770		5,060	
Antimony	NA	NA	0.511	*U*	0.527	*U*
Arsenic	13	16	1.88		1.51	
Barium	350	400	47.1		31.3	
Beryllium	7.2	72	0.102	*U*	0.105	*U*
Cadmium	2.5	4.3	0.306	*U*	0.316	*U*
Calcium	NA	NA	13,600		3,770	
Chromium	30	180	9.25		11	
Chromium (hexavalent)	NA	110	0.511	*U*	0.527	*U*
Cobalt	NA	30	4.54		4.39	
Copper	50	270	19		11.2	
Iron	NA	2,000	**8,790**		**8,600**	
Lead	63	400	40.9		17	
Magnesium	NA	NA	6,920		3,940	
Manganese	1,600	2,000	267		229	
Mercury	0.18	0.81	0.171		0.0316	*U*
Nickel	30	310	11.8		11.6	
Potassium	NA	NA	815		1,100	
Selenium	3.90	180	1.02	*U*	1.05	*U*
Silver	2	180	0.511	*U*	0.527	*U*
Sodium	NA	NA	160		208	
Thallium	NA	NA	1.02	*U*	1.05	*U*
Vanadium	NA	100	15.4		17.9	
Zinc	109	2,200	47.6		31.4	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 12: TAL Metals in Subsurface Soils
OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**SB-01 (11-13')**		**SB-02 (11-13')**		**SB-03 (11-13')**		**SB-04 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	6,980		11,200		5,550		9,530	
Antimony	NA	NA	0.569	*U*	0.589	*U*	1.23		0.576	*U*
Arsenic	13	16	1.86		2.81		**19.1**		2.17	
Barium	350	400	58.2		86		**557**		54.2	
Beryllium	7.2	72	0.114	*U*	0.118	*U*	0.129	*U*	0.115	*U*
Cadmium	2.5	4.3	0.342	*U*	0.354	*U*	2.09		0.346	*U*
Calcium	NA	NA	836		1,630		9,280		1,040	
Chromium	30	180	12.3		18.3		22.9		14.1	
Chromium (hexavalent)	NA	110	**NT**		**NT**		**NT**		**NT**	
Cobalt	NA	30	5.78		8.88		9.29		6.51	
Copper	50	270	16.2		18.8		255		16.3	
Iron	NA	2,000	**11,300**		**16,600**		**31,700**		**14,100**	
Lead	63	400	10.5		35.3		**889**		8.26	
Magnesium	NA	NA	2,120		2,980		2,140		2,320	
Manganese	1,600	2,000	102		248		423		353	
Mercury	0.18	0.81	0.0342	*U*	0.0394		**0.837**		0.0346	*U*
Nickel	30	310	12.1		13.2		17.9		16.3	
Potassium	NA	NA	1,230		1,690		1,110		1,070	
Selenium	3.90	180	1.92		3.08		6.18		1.15	*U*
Silver	2	180	0.569	*U*	0.589	*U*	0.644	*U*	0.576	*U*
Sodium	NA	NA	93.3		160		212		182	
Thallium	NA	NA	1.14	*U*	1.18	*U*	1.29	*U*	1.15	*U*
Vanadium	NA	100	17.8		28.4		27.9		21.1	
Zinc	109	2,200	22.8		40.1		951		24.1	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 12: TAL Metals in Subsurface Soils
OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**MW-1 (11-13')**		**MW-2 (11-13')**		**MW-3 (11-13')**	
U= Not Detected at or above indicated value		Sample Date	(2014-09-25)		(2014-09-25)		(2014-09-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	2,580		6,500		8,750	
Antimony	NA	NA	1.24		0.574	*U*	0.561	*U*
Arsenic	13	16	**44.7**		2.14		1.98	
Barium	350	400	79.7		44.1		102	
Beryllium	7.2	72	0.116	*U*	0.115	*U*	0.112	*U*
Cadmium	2.5	4.3	0.348	*U*	0.344	*U*	0.337	*U*
Calcium	NA	NA	5,900		1,720		1,130	
Chromium	30	180	7.62		13.1		20.5	
Chromium (hexavalent)	NA	110	**NT**		**NT**		**NT**	
Cobalt	NA	30	5.34		4.91		7.18	
Copper	50	270	22.4		23.2		11.5	
Iron	NA	2,000	**17,700**		**11,000**		**16,700**	
Lead	63	400	68		37.2		6.23	
Magnesium	NA	NA	1,580		1,650		2,880	
Manganese	1,600	2,000	159		106		188	
Mercury	0.18	0.81	0.401		0.0945		0.0337	*U*
Nickel	30	310	14.2		11.4		13.5	
Potassium	NA	NA	348		841		3,560	
Selenium	3.90	180	1.2		1.15	*U*	1.12	*U*
Silver	2	180	0.58	*U*	0.574	*U*	0.561	*U*
Sodium	NA	NA	136		150		155	
Thallium	NA	NA	1.16	*U*	1.15	*U*	1.12	*U*
Vanadium	NA	100	11.2		18.7		27.2	
Zinc	109	2,200	466		88.9		70.1	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

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

Table 13: VOCs in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-1**		**MW-2**		**MW-Duplicate (MW-2)**		**MW-3**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		50		50		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1-Dichloroethylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,1-Dichloropropylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	0.2	*U*	**6.4**	*JD*	**6.4**	*JD*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,3-Dichloropropane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	4	*U*	4	*U*	0.2	*U*
2,2-Dichloropropane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
2-Butanone	50	0.2	*U*	4	*U*	4	*U*	0.2	*U*
2-Chlorotoluene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	4	*U*	4	*U*	0.2	*U*
4-Chlorotoluene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Acetone	50	1	*U*	20	*U*	20	*U*	1	*U*
Benzene	1	0.2	*U*	**49**	*D*	**46**	*D*	0.41	*J*
Bromobenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Bromoform	50	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Chloroform	7	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
cis-1,2-Dichloroethylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Ethyl Benzene	5	0.2	*U*	4.8	*JD*	5	*JD*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Isopropylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Methylene chloride	5	1	*U*	20	*U*	20	*U*	1	*U*
Naphthalene	10	1	*U*	**1,100**	*D*	**1,100**	*D*	6.9	
n-Butylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
n-Propylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
o-Xylene	5	0.2	*U*	**10**	*D*	**11**	*D*	0.2	*U*
p- & m- Xylenes	5	0.5	*U*	**21**	*D*	**21**	*D*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
sec-Butylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Styrene	5	0.2	*U*	**5.2**	*JD*	**6.2**	*JD*	0.2	*U*
tert-Butylbenzene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Tetrachloroethylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Toluene	5	0.2	*U*	**27**	*D*	**27**	*D*	0.2	*U*
trans-1,2-Dichloroethylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Trichloroethylene	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Vinyl chloride	2	0.2	*U*	4	*U*	4	*U*	0.2	*U*
Xylenes, Total	5	0.6	*U*	**31**	*D*	**32**	*D*	0.6	*U*

Detected concentrations shown with blue shade
Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 13: VOCs in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-4**		**MW-5**		**MW-6**		**Dup-20141016 (MW-6)**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-16)		(2014-10-16)		(2014-10-16)		(2014-10-16)	
Data above AWQS shown in **Bold**	Dilution Factor	50		1		1		10	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1,1-Trichloroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1,2,2-Tetrachloroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1,2-Trichloroethane	1	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1-Dichloroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1-Dichloroethylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,1-Dichloropropylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2,3-Trichlorobenzene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2,3-Trichloropropane	0.04	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2,4-Trichlorobenzene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2,4-Trimethylbenzene	5	**89**	*D*	0.2	*U*	0.36	*J*	2	*U*
1,2-Dibromo-3-chloropropane	0.04	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2-Dibromoethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2-Dichlorobenzene	3	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,2-Dichloroethane	0.6	**6.4**	*D*	0.2	*U*	0.2	*U*	2	*U*
1,2-Dichloropropane	1	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,3,5-Trimethylbenzene	5	**48**	*D*	0.2	*U*	0.2	*U*	2	*U*
1,3-Dichlorobenzene	3	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,3-Dichloropropane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
1,4-Dichlorobenzene	3	1	*U*	0.2	*U*	0.2	*U*	2	*U*
2,2-Dichloropropane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
2-Butanone	50	17	*U*	0.2	*U*	0.2	*U*	2	*U*
2-Chlorotoluene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
2-Hexanone	50	1	*U*	0.2	*U*	0.2	*U*	2	*U*
4-Chlorotoluene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
4-Methyl-2-pentanone	NA	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Acetone	50	**57**	*D*	1	*U*	1	*U*	10	*U*
Benzene	1	**170**	*D*	0.2	*U*	**3.2**		2	*U*
Bromobenzene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Bromochloromethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Bromodichloromethane	50	1	*U*	1.1		0.2	*U*	2	*U*
Bromoform	50	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Bromomethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Carbon disulfide	NA	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Carbon tetrachloride	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Chlorobenzene	5	4.6	*D*	0.2	*U*	0.2	*U*	2	*U*
Chloroethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Chloroform	7	1	*U*	**15**		0.2	*U*	2	*U*
Chloromethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
cis-1,2-Dichloroethylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
cis-1,3-Dichloropropylene	0.4	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Dibromochloromethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Dibromomethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Dichlorodifluoromethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Ethyl Benzene	5	**49**	*D*	0.2	*U*	0.2	*U*	2	*U*
Hexachlorobutadiene	0.5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Isopropylbenzene	5	**5.9**	*D*	0.2	*U*	1.4		2	*U*
Methyl tert-butyl ether (MTBE)	10	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Methylene chloride	5	5	*U*	1	*U*	1	*U*	10	*U*
Naphthalene	10	**21**	*D*	1	*U*	1	*U*	10	*U*
n-Butylbenzene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
n-Propylbenzene	5	**6.4**	*D*	0.2	*U*	0.42	*J*	2	*U*
o-Xylene	5	**160**	*D*	0.2	*U*	0.33	*J*	2	*U*
p- & m- Xylenes	5	**360**	*D*	0.5	*U*	1.8		5	*U*
p-Isopropyltoluene	5	1.5	*JBD*	0.2	*U*	0.2	*U*	2	*U*
sec-Butylbenzene	5	1	*U*	0.2	*U*	0.21	*JB*	2	*U*
Styrene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
tert-Butylbenzene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Tetrachloroethylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Toluene	5	**310**	*D*	0.2	*U*	0.45	*J*	2	*U*
trans-1,2-Dichloroethylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
trans-1,3-Dichloropropylene	0.4	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Trichloroethylene	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Trichlorofluoromethane	5	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Vinyl chloride	2	1	*U*	0.2	*U*	0.2	*U*	2	*U*
Xylenes, Total	5	**520**	*D*	0.6	*U*	2.1		6	*U*

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 14: SVOCs in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-1**		**MW-2**		**MW-3**		**MW-4**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-16)	
Data above AWQS shown in **Bold**	Dilution Factor	1		20		1		10	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
1,2-Dichlorobenzene	3	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
1,3-Dichlorobenzene	3	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
1,4-Dichlorobenzene	3	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,4,5-Trichlorophenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,4,6-Trichlorophenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,4-Dichlorophenol	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,4-Dimethylphenol	50	2.56	*U*	**80.2**	*JD*	2.63	*U*	47.1	*JD*
2,4-Dinitrophenol	10	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,4-Dinitrotoluene	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2,6-Dinitrotoluene	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Chloronaphthalene	10	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Chlorophenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Methylnaphthalene	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Methylphenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Nitroaniline	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
2-Nitrophenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
3- & 4-Methylphenols	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
3,3'-Dichlorobenzidine	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
3-Nitroaniline	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4,6-Dinitro-2-methylphenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Bromophenyl phenyl ether	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Chloro-3-methylphenol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Chloroaniline	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Chlorophenyl phenyl ether	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Nitroaniline	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
4-Nitrophenol	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Acenaphthene	20	0.174		**51.3**		1.62		0.526	*U*
Acenaphthylene	NA	0.0513	*J*	51.3	*U*	0.189		0.526	*U*
Aniline	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Anthracene	50	0.0513	*U*	51.3	*U*	0.158		0.526	*U*
Benzo(a)anthracene	0.002	0.0513	*U*	51.3	*U*	**0.116**		0.526	*U*
Benzo(a)pyrene	NA	0.0513	*U*	51.3	*U*	0.0737		0.526	*U*
Benzo(b)fluoranthene	0.002	0.0513	*U*	51.3	*U*	**0.0947**		0.526	*U*
Benzo(g,h,i)perylene	NA	0.0513	*U*	51.3	*U*	0.105		0.526	*U*
Benzo(k)fluoranthene	0.002	0.0513	*U*	51.3	*U*	**0.0737**		0.526	*U*
Benzyl alcohol	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Benzyl butyl phthalate	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Bis(2-chloroethoxy)methane	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Bis(2-chloroethyl)ether	1	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Bis(2-chloroisopropyl)ether	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Bis(2-ethylhexyl)phthalate	5	0.974		51.3	*U*	0.821		5.26	*U*
Chrysene	0.002	0.0513	*U*	51.3	*U*	**0.0737**		0.526	*U*
Dibenzo(a,h)anthracene	NA	0.0513	*U*	51.3	*U*	0.0526	*U*	0.526	*U*
Dibenzofuran	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Diethyl phthalate	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Dimethyl phthalate	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Di-n-butyl phthalate	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Di-n-octyl phthalate	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Fluoranthene	50	0.0513	*U*	51.3	*U*	0.358		0.526	*U*
Fluorene	50	0.0513	*U*	51.3	*U*	0.526		0.526	*U*
Hexachlorobenzene	0.04	0.0205	*U*	51.3	*U*	0.0211	*U*	0.211	*U*
Hexachlorobutadiene	0.5	0.513	*U*	51.3	*U*	0.526	*U*	5.26	*U*
Hexachlorocyclopentadiene	5	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Hexachloroethane	5	0.513	*U*	51.3	*U*	0.526	*U*	5.26	*U*
Indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	51.3	*U*	**0.0842**		0.526	*U*
Isophorone	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Naphthalene	10	0.656		**622**	*D*	1.03		0.526	*U*
Nitrobenzene	0.4	0.256	*U*	51.3	*U*	0.263	*U*	2.63	*U*
N-Nitrosodimethylamine	50	0.513	*U*	51.3	*U*	0.526	*U*	5.26	*U*
N-nitroso-di-n-propylamine	NA	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
N-Nitrosodiphenylamine	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Pentachlorophenol	1	0.256	*U*	51.3	*U*	0.263	*U*	2.63	*U*
Phenanthrene	50	0.113		51.3	*U*	0.821		0.526	*U*
Phenol	1	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*
Pyrene	50	0.0513	*U*	51.3	*U*	0.316		0.526	*U*
Pyridine	50	2.56	*U*	51.3	*U*	2.63	*U*	26.3	*U*

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 14: SVOCs in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-5**		**MW-6**		**Lot 13-Dup-20141016**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-16)		(2014-10-16)		(2014-10-16)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	5	NT		NT		NT	
1,2-Dichlorobenzene	3	NT		NT		NT	
1,3-Dichlorobenzene	3	NT		NT		NT	
1,4-Dichlorobenzene	3	NT		NT		NT	
2,4,5-Trichlorophenol	NA	NT		NT		NT	
2,4,6-Trichlorophenol	NA	NT		NT		NT	
2,4-Dichlorophenol	5	NT		NT		NT	
2,4-Dimethylphenol	50	NT		NT		NT	
2,4-Dinitrophenol	10	NT		NT		NT	
2,4-Dinitrotoluene	5	NT		NT		NT	
2,6-Dinitrotoluene	5	NT		NT		NT	
2-Chloronaphthalene	10	NT		NT		NT	
2-Chlorophenol	NA	NT		NT		NT	
2-Methylnaphthalene	NA	2.83	*U*	2.76	*U*	2.76	*U*
2-Methylphenol	NA	NT		NT		NT	
2-Nitroaniline	5	NT		NT		NT	
2-Nitrophenol	NA	NT		NT		NT	
3- & 4-Methylphenols	NA	NT		NT		NT	
3,3'-Dichlorobenzidine	5	NT		NT		NT	
3-Nitroaniline	5	NT		NT		NT	
4,6-Dinitro-2-methylphenol	NA	NT		NT		NT	
4-Bromophenyl phenyl ether	NA	NT		NT		NT	
4-Chloro-3-methylphenol	NA	NT		NT		NT	
4-Chloroaniline	5	NT		NT		NT	
4-Chlorophenyl phenyl ether	NA	NT		NT		NT	
4-Nitroaniline	5	NT		NT		NT	
4-Nitrophenol	5	NT		NT		NT	
Acenaphthene	20	1.27		0.08		0.11	
Acenaphthylene	NA	0.0513	*U*	0.05	*U*	0.05	*U*
Aniline	5	NT		NT		NT	
Anthracene	50	0.0513	*U*	0.05	*U*	0.05	*U*
Benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*
Benzo(a)pyrene	NA	0.0513	*U*	0.05	*U*	0.05	*U*
Benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*
Benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.05	*U*
Benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*
Benzyl alcohol	NA	NT		NT		NT	
Benzyl butyl phthalate	50	NT		NT		NT	
Bis(2-chloroethoxy)methane	5	NT		NT		NT	
Bis(2-chloroethyl)ether	1	NT		NT		NT	
Bis(2-chloroisopropyl)ether	NA	NT		NT		NT	
Bis(2-ethylhexyl)phthalate	5	NT		NT		NT	
Chrysene	0.002	**0.0513**	*J*	0.05	*U*	0.05	*U*
Dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.05	*U*
Dibenzofuran	NA	NT		NT		NT	
Diethyl phthalate	50	NT		NT		NT	
Dimethyl phthalate	50	NT		NT		NT	
Di-n-butyl phthalate	50	NT		NT		NT	
Di-n-octyl phthalate	50	NT		NT		NT	
Fluoranthene	50	0.451		0.05	*U*	0.05	*U*
Fluorene	50	0.0513	*U*	0.05	*U*	0.05	*U*
Hexachlorobenzene	0.04	NT		NT		NT	
Hexachlorobutadiene	0.5	NT		NT		NT	
Hexachlorocyclopentadiene	5	NT		NT		NT	
Hexachloroethane	5	NT		NT		NT	
Indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*
Isophorone	50	NT		NT		NT	
Naphthalene	10	0.0513	*U*	0.05	*J*	0.06	
Nitrobenzene	0.4	NT		NT		NT	
N-Nitrosodimethylamine	50	NT		NT		NT	
N-nitroso-di-n-propylamine	NA	NT		NT		NT	
N-Nitrosodiphenylamine	50	NT		NT		NT	
Pentachlorophenol	1	NT		NT		NT	
Phenanthrene	50	0.0513	*J*	0.05	*U*	0.05	*U*
Phenol	1	NT		NT		NT	
Pyrene	50	0.0923		0.05	*U*	0.05	*U*
Pyridine	50	NT		NT		NT	

Detected concentrations shown with blue shade
Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 15: Pesticides and PCBs in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-1**		**MW-2**		**MW-3**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
Pesticides, 8081	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.3	0.0041	*U*	0.004	*U*	0.0041	*U*
4,4'-DDE	0.2	0.0041	*U*	0.004	*U*	0.0041	*U*
4,4'-DDT	0.2	0.0041	*U*	0.004	*U*	0.0041	*U*
Aldrin	NE	0.0041	*U*	0.004	*U*	0.0041	*U*
alpha-BHC	0.01	0.0041	*U*	0.004	*U*	0.0041	*U*
alpha-Chlordane	0.05	0.0041	*U*	0.004	*U*	0.0041	*U*
beta-BHC	0.04	0.0041	*U*	0.004	*U*	0.0041	*U*
Chlordane, total	0.05	0.041	*U*	0.04	*U*	0.041	*U*
delta-BHC	0.04	0.0041	*U*	0.004	*U*	0.0041	*U*
Dieldrin	0.004	0.00205	*U*	0.002	*U*	0.00205	*U*
Endosulfan I	NA	0.0041	*U*	0.004	*U*	0.0041	*U*
Endosulfan II	NA	0.0041	*U*	0.004	*U*	0.0041	*U*
Endosulfan sulfate	NA	0.0041	*U*	0.004	*U*	0.0041	*U*
Endrin	NA	0.0041	*U*	0.004	*U*	0.0041	*U*
Endrin aldehyde	5	0.0103	*U*	0.01	*U*	0.0103	*U*
Endrin ketone	5	0.0103	*U*	0.01	*U*	0.0103	*U*
gamma-BHC (Lindane)	0.05	0.0041	*U*	0.004	*U*	0.0041	*U*
gamma-Chlordane	0.05	0.0103	*U*	0.01	*U*	0.0103	*U*
Heptachlor	0.04	0.0041	*U*	0.004	*U*	0.0041	*U*
Heptachlor Epoxide	0.03	0.0041	*U*	0.004	*U*	0.0041	*U*
Methoxychlor	35	0.0041	*U*	0.004	*U*	0.0041	*U*
Toxaphene	0.06	0.103	*U*	0.1	*U*	0.103	*U*

	Sample ID	**MW-1**		**MW-2**		**MW-3**	
	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)	
	Dilution Factor	1		1		1	
PCBs, 8082	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1221	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1232	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1242	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1248	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1254	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor 1260	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*
Aroclor, Total	0.09	0.0513	*U*	0.05	*U*	0.0513	*U*

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 16: TAL Metals (Total) in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-1**		**MW-2**		**MW-3**		**Lot 20-MW-Duplicate**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	57		10	*U*	63		10	*U*
Antimony	3	5	*U*	5	*U*	5	*U*	5	*U*
Arsenic	25	13		4	*U*	4		6	
Barium	1,000	154		156		126		156	
Beryllium	3	1	*U*	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*	3	*U*
Calcium	NA	147,000		137,000		109,000		137,000	
Chromium	50	5	*U*	5	*U*	5	*U*	5	*U*
Cobalt	5	5	*U*	5	*U*	5	*U*	5	*U*
Copper	200	3	*U*	3	*U*	3	*U*	3	*U*
Iron**	300	**7,830**		129		**8,080**		127	
Lead	25	3	*U*	3	*U*	5		3	*U*
Magnesium	35,000	24,800		15,500		13,300		15,200	
Manganese**	300	**346**		**724**		**1,990**		**734**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	5	*U*	5	*U*	5	*U*	5	*U*
Potassium	NA	23,400		12,100		13,900		11,700	
Selenium	10	**13**		**11**		10	*U*	**13**	
Silver	50	5	*U*	5	*U*	5	*U*	5	*U*
Sodium	20,000	**90,600**		**43,600**		**147,000**		**43,600**	
Thallium	0.5	5	*U*	5	*U*	5	*U*	5	*U*
Vanadium	14	10	*U*	10	*U*	10	*U*	10	*U*
Zinc	2000	12		13		41		13	

** combined iron and manganese = 500

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 16: TAL Metals (Total) in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-4**		**MW-5**		**MW-6**		**Lot 13-Dup-20141016**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-16)		(2014-10-16)		(2014-10-16)		(2014-10-16)	
Data above AWQS shown in **Bold**	Dilution Factor	50		1		1		10	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	115		212		39		52	
Antimony	3	5	*U*	5	*U*	5	*U*	5	*U*
Arsenic	25	**1,010**		4	*U*	4	*U*	4	*U*
Barium	1,000	201		28		78		78	
Beryllium	3	1	*U*	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*	3	*U*
Calcium	NA	214,000		30,000		89,500		88,000	
Chromium	50	5	*U*	5	*U*	5	*U*	5	*U*
Cobalt	5	5	*U*	5	*U*	5	*U*	5	*U*
Copper	200	3	*U*	3	*U*	3	*U*	11	
Iron**	300	**30,900**		**332**		**964**		**1,130**	
Lead	25	3	*U*	9		3	*U*	6	
Magnesium	35,000	**86,800**		4,310		8,920		8,780	
Manganese**	300	**780**		56		148		141	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	14		5	*U*	5	*U*	5	*U*
Potassium	NA	39,400		3,570		9,510		9,340	
Selenium	10	**13**		10	*U*	10	*U*	10	*U*
Silver	50	5	*U*	5	*U*	5	*U*	5	*U*
Sodium	20,000	**119,000**		8,730		**46,500**		**45,400**	
Thallium	0.5	5	*U*	5	*U*	5	*U*	5	*U*
Vanadium	14	10	*U*	10	*U*	10	*U*	10	*U*
Zinc	2000	12		14		14		87	

** combined iron and manganese = 500

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 17: TAL Metals (Dissolved) in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-1**		**MW-2**		**MW-3**		**Lot 20-MW-Duplicate**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	10	*U*	10	*U*	10	*U*	10	*U*
Antimony	3	5	*U*	5	*U*	5	*U*	5	*U*
Arsenic	25	4	*U*	4	*U*	4	*U*	5	
Barium	1,000	112		152		110		153	
Beryllium	3	1	*U*	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*	3	*U*
Calcium	NA	145,000		137,000		110,000		137,000	
Chromium	50	5	*U*	5	*U*	5	*U*	5	*U*
Cobalt	5	5	*U*	5	*U*	5	*U*	5	*U*
Copper	200	3	*U*	3	*U*	3	*U*	3	*U*
Iron**	300	20	*U*	31		20	*U*	24	
Lead	25	3	*U*	3	*U*	3	*U*	3	*U*
Magnesium	35,000	24,200		15,600		13,500		15,600	
Manganese**	300	**320**		**749**		**2,020**		**742**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	5	*U*	5	*U*	5	*U*	5	*U*
Potassium	NA	23,200		12,000		13,900		12,000	
Selenium	10	**20**		**11**		**11**		10	*U*
Silver	50	5	*U*	5	*U*	5	*U*	5	*U*
Sodium	20,000	**90,800**		**43,700**		**148,000**		**43,400**	
Thallium	0.5	5	*U*	5	*U*	5	*U*	5	*U*
Vanadium	14	10	*U*	10	*U*	10	*U*	10	*U*
Zinc	2000	10	*U*	10	*U*	22		10	*U*

** combined iron and manganese = 500

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 17: TAL Metals (Dissolved) in Groundwater

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-04**	
U= Not Detected at or above indicated value	Sample Date	(2014-10-16)	
Data above AWQS shown in **Bold**	Dilution Factor	50	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*
Aluminum	NA	10	*U*
Antimony	3	5	*U*
Arsenic	25	**808**	
Barium	1,000	104	
Beryllium	3	1	*U*
Cadmium	5	3	*U*
Calcium	NA	216,000	
Chromium	50	5	*U*
Cobalt	5	5	*U*
Copper	200	3	*U*
Iron**	300	221	
Lead	25	3	*U*
Magnesium	35,000	**89,100**	
Manganese**	300	**747**	
Mercury	0.7	0.2	*U*
Nickel	100	5	*U*
Potassium	NA	41,200	
Selenium	10	**22**	
Silver	50	5	*U*
Sodium	20,000	**122,000**	
Thallium	0.5	5	*U*
Vanadium	14	10	*U*
Zinc	2000	10	*U*

** combined iron and manganese = 500

Detected concentrations shown with blue shade

Concentrations > AWQS shown with **BOLD**, yellow shade

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

Table 18: VOCs in Soil Vapor

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/m³	**Sample ID**	**W-SG-1**		**W-SG-2**		**W-SG-3**	
U= Not Detected at or above indicated value	Sample Date	(2014-09-16)		(2014-09-16)		(2014-09-16)	
Data above AGVs shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**NYSDOH AGV**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	NA	1.76		1.09	U	7.26	
1,1,2,2-Tetrachloroethane	NA	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane	NA	1.09	U	1.09	U	1.09	U
1,1-Dichloroethane	NA	0.809	U	0.809	U	0.809	U
1,1-Dichloroethene	NA	0.793	U	0.793	U	0.793	U
1,2,4-Trichlorobenzene	NA	1.48	U	1.48	U	1.48	U
1,2,4-Trimethylbenzene	NA	7.52		7.03		9.24	
1,2-Dibromoethane	NA	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene	NA	1.2	U	1.2	U	1.2	U
1,2-Dichloroethane	NA	0.809	U	0.809	U	0.809	U
1,2-Dichloropropane	NA	0.924	U	0.924	U	0.924	U
1,3,5-Trimethylbenzene	NA	2.27		1.96		2.78	
1,3-Butadiene	NA	3.01		3.21		46	
1,3-Dichlorobenzene	NA	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene	NA	1.2	U	1.2	U	1.2	U
1,4-Dioxane	NA	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane	NA	0.934	U	0.934	U	0.934	U
2-Butanone	NA	32.4		28.6		**74**	
2-Hexanone	NA	4.63		2.26		5.49	
3-Chloropropene	NA	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	NA	1.75		1.03		1.93	
4-Methyl-2-pentanone	NA	3.62		2.2		6.76	
Acetone	NA	188		181		**565**	
Benzene	NA	**94.2**		4.25		**25**	
Benzyl chloride	NA	1.04	U	1.04	U	1.04	U
Bromodichloromethane	NA	1.34	U	1.34	U	1.34	U
Bromoform	NA	2.07	U	2.07	U	2.07	U
Bromomethane	NA	0.777	U	0.777	U	0.777	U
Carbon disulfide	NA	19.6		1.79		15.8	
Carbon tetrachloride	NA	1.26	U	1.26	U	1.26	U
Chlorobenzene	NA	0.921	U	0.921	U	0.921	U
Chloroethane	NA	0.528	U	0.528	U	3.69	
Chloroform	NA	0.977	U	0.977	U	1.23	
Chloromethane	NA	0.51		0.514		14.6	
cis-1,2-Dichloroethene	NA	0.793	U	0.793	U	0.793	U
cis-1,3-Dichloropropene	NA	0.908	U	0.908	U	0.908	U
Cyclohexane	NA	3.19		0.688	U	31.6	
Dibromochloromethane	NA	1.7	U	1.7	U	1.7	U
Dichlorodifluoromethane	NA	1.28		1.14		1.32	
Ethanol	NA	207		19		68.6	
Ethyl Acetate	NA	1.8	U	1.8	U	4.54	
Ethylbenzene	NA	2.3		1.3		1.92	
Freon-113	NA	1.53	U	1.53	U	1.53	U
Freon-114	NA	1.4	U	1.4	U	1.4	U
Heptane	NA	8.85		1.13		12.7	
Hexachlorobutadiene	NA	2.13	U	2.13	U	2.13	U
Isopropanol	NA	6.12		4.57		19	
Methyl tert butyl ether	NA	0.721	U	0.721	U	0.721	U
Methylene chloride	60	1.74	U	1.74	U	1.74	U
n-Hexane	NA	13.2		1.54		27.7	
o-Xylene	NA	3.67		2.81		3.76	
p/m-Xylene	NA	6.47		4.78		6.43	
Styrene	NA	1.03		1		1.2	
Tertiary butyl Alcohol	NA	4.88		5.64		4.49	
Tetrachloroethene	100	10.4		8.14		1.36	U
Tetrahydrofuran	NA	4.78		1.98		2.75	
Toluene	NA	15.8		5.28		11	
trans-1,2-Dichloroethene	NA	0.793	U	0.793	U	0.793	U
trans-1,3-Dichloropropene	NA	0.908	U	0.908	U	0.908	U
Trichloroethene	5	1.07	U	1.07	U	1.07	U
Trichlorofluoromethane	NA	1.78		1.37		1.66	
Vinyl bromide	NA	0.874	U	0.874	U	0.874	U
Vinyl chloride	NA	0.511	U	0.511	U	1.32	

Detected concentrations
Concentrations above AGVs
Relatively elevated values
(highlighted to facilitate data review)

Notes: AGVs based on NYSDOH Guidance for Evaluating Soil Vapor Intrusion NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 18: VOCs in Soil Vapor

OER Project Number: 15EH-A009Q

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in µg/m³	**Sample ID**	**S-SG-1**		**S-SG-2**		**S-SG-3**		**S-SG-4**	
U= Not Detected at or above indicated value	Sample Date	(2014-06-26)		(2014-06-26)		(2014-06-26)		(2014-06-26)	
Data above AGVs shown in **Bold**	Dilution Factor	2.5		242.9		5		5	
VOCs, 8260	**NYSDOH AGV**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	NA	2.73	*U*	265	*U*	5.46	*U*	5.46	*U*
1,1,2,2-Tetrachloroethane	NA	3.43	*U*	334	*U*	6.87	*U*	6.87	*U*
1,1,2-Trichloroethane	NA	2.73	*U*	265	*U*	5.46	*U*	5.46	*U*
1,1-Dichloroethane	NA	2.02	*U*	197	*U*	4.05	*U*	4.05	*U*
1,1-Dichloroethene	NA	1.98	*U*	193	*U*	3.96	*U*	3.96	*U*
1,2,4-Trichlorobenzene	NA	3.71	*U*	361	*U*	7.42	*U*	7.42	*U*
1,2,4-Trimethylbenzene	NA	2.96		239	*U*	4.92	*U*	4.92	*U*
1,2-Dibromoethane	NA	3.84	*U*	373	*U*	7.69	*U*	7.69	*U*
1,2-Dichlorobenzene	NA	3.01	*U*	292	*U*	6.01	*U*	6.01	*U*
1,2-Dichloroethane	NA	2.02	*U*	197	*U*	4.05	*U*	4.05	*U*
1,2-Dichloropropane	NA	2.31	*U*	225	*U*	4.62	*U*	4.62	*U*
1,3,5-Trimethylbenzene	NA	2.46	*U*	239	*U*	4.92	*U*	4.92	*U*
1,3-Butadiene	NA	1.11	*U*	108	*U*	2.21	*U*	2.21	*U*
1,3-Dichlorobenzene	NA	3.01	*U*	292	*U*	6.01	*U*	6.01	*U*
1,4-Dichlorobenzene	NA	3.01	*U*	292	*U*	6.01	*U*	6.01	*U*
1,4-Dioxane	NA	1.8	*U*	175	*U*	7.06		3.6	*U*
2,2,4-Trimethylpentane	NA	2.34	*U*	227	*U*	4.67	*U*	4.67	*U*
2-Butanone	NA	16		143	*U*	27.1		19.9	
2-Hexanone	NA	2.05	*U*	199	*U*	4.1	*U*	4.1	*U*
3-Chloropropene	NA	1.57	*U*	152	*U*	3.13	*U*	3.13	*U*
4-Ethyltoluene	NA	2.46	*U*	**318**		4.92	*U*	4.92	*U*
4-Methyl-2-pentanone	NA	2.05	*U*	199	*U*	4.1	*U*	4.1	*U*
Acetone	NA	162		**7,550**		111		189	
Benzene	NA	4.76		155	*U*	9.9		5.37	
Benzyl chloride	NA	2.59	*U*	252	*U*	5.18	*U*	5.18	*U*
Bromodichloromethane	NA	3.35	*U*	326	*U*	6.7	*U*	6.7	*U*
Bromoform	NA	5.17	*U*	502	*U*	10.3	*U*	10.3	*U*
Bromomethane	NA	1.94	*U*	189	*U*	3.88	*U*	3.88	*U*
Carbon disulfide	NA	3.86		151	*U*	6.1		4.45	
Carbon tetrachloride	NA	3.15	*U*	306	*U*	6.29	*U*	6.29	*U*
Chlorobenzene	NA	2.3	*U*	224	*U*	4.61	*U*	4.61	*U*
Chloroethane	NA	1.32	*U*	128	*U*	2.64	*U*	2.64	*U*
Chloroform	NA	2.44	*U*	237	*U*	4.88	*U*	4.88	*U*
Chloromethane	NA	1.03	*U*	100	*U*	2.07	*U*	2.07	*U*
cis-1,2-Dichloroethene	NA	1.98	*U*	193	*U*	3.96	*U*	3.96	*U*
cis-1,3-Dichloropropene	NA	2.27	*U*	221	*U*	4.54	*U*	4.54	*U*
Cyclohexane	NA	13.3		**3,170**		4.92		3.92	
Dibromochloromethane	NA	4.26	*U*	414	*U*	8.52	*U*	8.52	*U*
Dichlorodifluoromethane	NA	2.47	*U*	240	*U*	4.94	*U*	4.94	*U*
Ethanol	NA	**211**		1,140	*U*	**403**		159	
Ethyl Acetate	NA	4.5	*U*	436	*U*	9.01	*U*	9.01	*U*
Ethylbenzene	NA	8.69		**2,210**		4.34	*U*	4.34	*U*
Freon-113	NA	3.83	*U*	373	*U*	7.66	*U*	7.66	*U*
Freon-114	NA	3.49	*U*	340	*U*	6.99	*U*	6.99	*U*
Heptane	NA	8.24		**1,700**		6.43		4.1	*U*
Hexachlorobutadiene	NA	5.33	*U*	518	*U*	10.7	*U*	10.7	*U*
Isopropanol	NA	5.31		**1,820**		26.1		58	
Methyl tert butyl ether	NA	1.8	*U*	175	*U*	3.61	*U*	3.61	*U*
Methylene chloride	60	8.69	*U*	844	*U*	17.4	*U*	17.4	*U*
n-Hexane	NA	**213**		**75,400**		11.8		25.1	
o-Xylene	NA	12.1		**3,010**		4.34	*U*	4.34	*U*
p/m-Xylene	NA	28.7		**8,080**		8.69	*U*	8.69	*U*
Styrene	NA	2.13	*U*	207	*U*	4.26	*U*	4.26	*U*
Tertiary butyl Alcohol	NA	4.85		367	*U*	43.4		26.6	
Tetrachloroethene	100	3.39	*U*	330	*U*	6.78	*U*	46	
Tetrahydrofuran	NA	6.81		143	*U*	8.2		2.95	*U*
Toluene	NA	4.75		183	*U*	81		15.1	
trans-1,2-Dichloroethene	NA	1.98	*U*	193	*U*	3.96	*U*	3.96	*U*
trans-1,3-Dichloropropene	NA	2.27	*U*	221	*U*	4.54	*U*	4.54	*U*
Trichloroethene	5	3.49		**661**		5.37	*U*	5.37	*U*
Trichlorofluoromethane	NA	5.2		273	*U*	5.62	*U*	5.62	*U*
Vinyl bromide	NA	2.19	*U*	212	*U*	4.37	*U*	4.37	*U*
Vinyl chloride	NA	1.28	*U*	124	*U*	2.56	*U*	2.56	*U*

Detected concentrations
Concentrations above AGVs
Relatively elevated values
(highlighted to facilitate data review)

Notes: AGVs based on NYSDOH Guidance for Evaluating Soil Vapor Intrusion NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

APPENDIX 4

Laboratory Data Deliverables for Analytical Data

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Report Date: 09/24/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14I0802

Report Date: 09/24/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14I0802

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

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 September 17, 2014 and listed below. The project was identified as your project: **GQ14076.20**.

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
14I0802-01	SB-01 (0-2')	Soil	09/16/2014	09/17/2014
14I0802-02	SB-01 (11-13')	Soil	09/16/2014	09/17/2014
14I0802-03	SB-02 (0-2')	Soil	09/16/2014	09/17/2014
14I0802-04	SB-02 (11-13')	Soil	09/16/2014	09/17/2014
14I0802-05	SB-03 (0-2')	Soil	09/16/2014	09/17/2014
14I0802-06	SB-03 (11-13')	Soil	09/16/2014	09/17/2014
14I0802-10	TB-20140916	Water	09/16/2014	09/17/2014

General Notes for York Project (SDG) No.: 14I0802

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: 09/24/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SB-01 (0-2')** **York Sample ID:** **14I0802-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
62-53-3	Aniline	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
120-12-7	Anthracene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
218-01-9	**Chrysene**	**103**	J	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	350	698	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	350	699	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH

Sample Information

Client Sample ID: SB-01 (0-2')

York Sample ID: 14I0802-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
206-44-0	**Fluoranthene**	**245**	J	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
86-73-7	Fluorene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
78-59-1	Isophorone	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
91-20-3	Naphthalene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	176	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
85-01-8	**Phenanthrene**	**207**	J	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
108-95-2	Phenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
129-00-0	**Pyrene**	**247**	J	ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
110-86-1	Pyridine	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	88.1	350	2	EPA 8270D	09/23/2014 06:44	09/24/2014 02:56	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*12.6 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*15.3 %*	*10-118*

Sample Information

Client Sample ID: SB-01 (0-2')

York Sample ID: 14I0802-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*12.2 %*			*10-140*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*14.3 %*			*10-126*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*12.6 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*22.2 %*			*10-137*						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
57-74-9	Chlordane, total	ND		ug/kg dry	69.2	69.2	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.65	8.65	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.6	87.6	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:36	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*106 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*95.5 %*	*30-140*

Sample Information

Client Sample ID: SB-01 (0-2')

York Sample ID: 14I0802-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	09/23/2014 05:43	09/24/2014 10:31	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*94.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*111 %*	*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**	**4960**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-36-0	Antimony	ND		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-38-2	**Arsenic**	**2.77**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-39-3	**Barium**	**75.0**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.315	0.315	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-70-2	**Calcium**	**10800**		mg/kg dry	0.524	5.24	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-47-3	**Chromium**	**12.6**		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-48-4	**Cobalt**	**8.39**		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-50-8	**Copper**	**26.6**		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7439-89-6	**Iron**	**15700**		mg/kg dry	2.10	2.10	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7439-92-1	**Lead**	**76.0**		mg/kg dry	0.315	0.315	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7439-95-4	**Magnesium**	**6220**		mg/kg dry	5.24	5.24	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7439-96-5	**Manganese**	**329**		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-02-0	**Nickel**	**14.5**		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-09-7	**Potassium**	**1410**		mg/kg dry	5.24	5.24	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7782-49-2	**Selenium**	**2.10**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.524	0.524	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-23-5	**Sodium**	**89.5**		mg/kg dry	10.5	10.5	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW
7440-62-2	**Vanadium**	**18.1**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW

Sample Information

Client Sample ID: SB-01 (0-2') **York Sample ID:** 14I0802-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**102**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:47	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.331**		mg/kg dry	0.0315	0.0315	1	EPA 7473	09/22/2014 06:54	09/22/2014 11:43	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.4**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: SB-01 (11-13') **York Sample ID:** 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	41	82	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
78-93-3	**2-Butanone**	**26**	CCV-E	ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
67-64-1	**Acetone**	**52**	Cal-E, CCV-E, B	ug/kg dry	4.1	8.2	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	4.1	8.2	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.1	8.2	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.1	8.2	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.2	12	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	4.1	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:22	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.5 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.7 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
62-53-3	Aniline	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
120-12-7	Anthracene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
218-01-9	Chrysene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	190	379	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	190	380	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
206-44-0	Fluoranthene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
86-73-7	Fluorene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
78-59-1	Isophorone	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
108-95-2	Phenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
129-00-0	Pyrene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
110-86-1	Pyridine	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	190	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:19	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*64.9 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*65.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.0 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*69.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*83.8 %*	*10-137*

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
309-00-2	Aldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
57-74-9	Chlordane, total	ND		ug/kg dry	75.2	75.2	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
72-20-8	Endrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.40	9.40	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW
8001-35-2	Toxaphene	ND		ug/kg dry	95.1	95.1	5	EPA 8081B	09/23/2014 05:43	09/23/2014 16:52	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*124 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.8 %*	*30-140*

Sample Information

Client Sample ID: SB-01 (11-13')

York Sample ID: 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:07	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*105 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*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**	**6980**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-38-2	**Arsenic**	**1.86**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-39-3	**Barium**	**58.2**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.342	0.342	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-70-2	**Calcium**	**836**		mg/kg dry	0.569	5.69	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-47-3	**Chromium**	**12.3**		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-48-4	**Cobalt**	**5.78**		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-50-8	**Copper**	**16.2**		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7439-89-6	**Iron**	**11300**		mg/kg dry	2.28	2.28	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7439-92-1	**Lead**	**10.5**		mg/kg dry	0.342	0.342	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7439-95-4	**Magnesium**	**2120**		mg/kg dry	5.69	5.69	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7439-96-5	**Manganese**	**102**		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-02-0	**Nickel**	**12.1**		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-09-7	**Potassium**	**1230**		mg/kg dry	5.69	5.69	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7782-49-2	**Selenium**	**1.92**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.569	0.569	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-23-5	**Sodium**	**93.3**		mg/kg dry	11.4	11.4	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW
7440-62-2	**Vanadium**	**17.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW

Sample Information

Client Sample ID: SB-01 (11-13') **York Sample ID:** 14I0802-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**22.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:52	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0342	0.0342	1	EPA 7473	09/22/2014 06:54	09/22/2014 11:52	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: SB-02 (0-2') **York Sample ID:** 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
62-53-3	Aniline	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
120-12-7	**Anthracene**	**3620**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
56-55-3	**Benzo(a)anthracene**	**11700**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
50-32-8	**Benzo(a)pyrene**	**8060**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
205-99-2	**Benzo(b)fluoranthene**	**5700**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
191-24-2	**Benzo(g,h,i)perylene**	**2680**	J	ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
207-08-9	**Benzo(k)fluoranthene**	**7830**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR

Sample Information

Client Sample ID: SB-02 (0-2')

York Sample ID: 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
218-01-9	**Chrysene**	**10600**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
53-70-3	**Dibenzo(a,h)anthracene**	**1870**	J	ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	3580	7130	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3580	7140	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
206-44-0	**Fluoranthene**	**21800**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
86-73-7	Fluorene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3280**	J	ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
78-59-1	Isophorone	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR

Sample Information

Client Sample ID: SB-02 (0-2')

York Sample ID: 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	1800	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
85-01-8	**Phenanthrene**	**11200**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
108-95-2	Phenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
129-00-0	**Pyrene**	**19500**		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
110-86-1	Pyridine	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	899	3570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:17	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*60.6 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*72.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*86.4 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*35.7 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*87.3 %*	*10-137*

Sample Information

Client Sample ID: SB-02 (0-2')

York Sample ID: 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
309-00-2	Aldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.7	70.7	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
72-20-8	Endrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.83	8.83	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.4	89.4	5	EPA 8081B	09/23/2014 05:43	09/23/2014 17:07	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*91.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*91.1 %*	*30-140*

Sample Information

Client Sample ID: SB-02 (0-2') **York Sample ID:** 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:26	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*100 %*	*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**	**6910**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-36-0	**Antimony**	**0.628**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-38-2	**Arsenic**	**5.70**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-39-3	**Barium**	**145**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-70-2	**Calcium**	**9470**		mg/kg dry	0.535	5.35	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-47-3	**Chromium**	**20.3**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-48-4	**Cobalt**	**8.88**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-50-8	**Copper**	**101**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7439-89-6	**Iron**	**21000**		mg/kg dry	2.14	2.14	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7439-92-1	**Lead**	**254**		mg/kg dry	0.321	0.321	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7439-95-4	**Magnesium**	**4110**		mg/kg dry	5.35	5.35	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7439-96-5	**Manganese**	**464**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-02-0	**Nickel**	**23.5**		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-09-7	**Potassium**	**1480**		mg/kg dry	5.35	5.35	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7782-49-2	**Selenium**	**3.62**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-23-5	**Sodium**	**159**		mg/kg dry	10.7	10.7	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW
7440-62-2	**Vanadium**	**27.4**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW

Sample Information

Client Sample ID: SB-02 (0-2') **York Sample ID:** 14I0802-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**708**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/22/2014 14:39	09/22/2014 18:56	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.172**		mg/kg dry	0.0321	0.0321	1	EPA 7473	09/22/2014 06:54	09/22/2014 12:01	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.4**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: SB-02 (11-13') **York Sample ID:** 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	87	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
78-93-3	**2-Butanone**	**7.6**	CCV-E	ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
67-64-1	**Acetone**	**36**	Cal-E, CCV-E, B	ug/kg dry	4.3	8.7	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/23/2014 08:14	09/23/2014 19:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
62-53-3	Aniline	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
120-12-7	Anthracene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
218-01-9	Chrysene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	197	393	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	197	393	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
206-44-0	Fluoranthene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
86-73-7	Fluorene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
78-59-1	Isophorone	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
91-20-3	Naphthalene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.0	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
85-01-8	Phenanthrene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
108-95-2	Phenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
129-00-0	Pyrene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
110-86-1	Pyridine	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.5	196	1	EPA 8270D	09/23/2014 06:44	09/24/2014 00:50	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*48.5 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*55.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*38.2 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.3 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*55.0 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*63.4 %*	*10-137*

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
57-74-9	Chlordane, total	ND		ug/kg dry	77.8	77.8	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.73	9.73	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW
8001-35-2	Toxaphene	ND		ug/kg dry	98.4	98.4	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:20	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.4 %*	*30-140*

Sample Information

Client Sample ID: SB-02 (11-13')

York Sample ID: 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	09/23/2014 05:43	09/24/2014 11:45	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11200**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-36-0	Antimony	ND		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-38-2	**Arsenic**	**2.81**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-39-3	**Barium**	**86.0**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.354	0.354	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-70-2	**Calcium**	**1630**		mg/kg dry	0.589	5.89	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-47-3	**Chromium**	**18.3**		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-48-4	**Cobalt**	**8.88**		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-50-8	**Copper**	**18.8**		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7439-89-6	**Iron**	**16600**		mg/kg dry	2.36	2.36	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7439-92-1	**Lead**	**35.3**		mg/kg dry	0.354	0.354	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7439-95-4	**Magnesium**	**2980**		mg/kg dry	5.89	5.89	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7439-96-5	**Manganese**	**248**		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-02-0	**Nickel**	**13.2**		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-09-7	**Potassium**	**1690**		mg/kg dry	5.89	5.89	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7782-49-2	**Selenium**	**3.08**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-22-4	Silver	ND		mg/kg dry	0.589	0.589	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-23-5	**Sodium**	**160**		mg/kg dry	11.8	11.8	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW
7440-62-2	**Vanadium**	**28.4**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW

Sample Information

Client Sample ID: SB-02 (11-13') **York Sample ID:** 14I0802-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**40.1**		mg/kg dry	1.18	1.18	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:14	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0394**		mg/kg dry	0.0354	0.0354	1	EPA 7473	09/22/2014 06:54	09/22/2014 12:10	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**	**84.8**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: SB-03 (0-2') **York Sample ID:** 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1930**	J	ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
208-96-8	**Acenaphthylene**	**1270**	J	ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
62-53-3	Aniline	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
120-12-7	**Anthracene**	**5030**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
56-55-3	**Benzo(a)anthracene**	**16400**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
50-32-8	**Benzo(a)pyrene**	**11300**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
205-99-2	**Benzo(b)fluoranthene**	**13000**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
191-24-2	**Benzo(g,h,i)perylene**	**4720**		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
207-08-9	**Benzo(k)fluoranthene**	**11300**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR

Sample Information

Client Sample ID: SB-03 (0-2')

York Sample ID: 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
218-01-9	**Chrysene**	**15600**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
53-70-3	**Dibenzo(a,h)anthracene**	**2750**	J	ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	4510	8990	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	4510	9000	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
206-44-0	**Fluoranthene**	**31300**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
86-73-7	**Fluorene**	**1650**	J	ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5090**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
78-59-1	Isophorone	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR

Sample Information

Client Sample ID: SB-03 (0-2')

York Sample ID: 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	2270	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
85-01-8	**Phenanthrene**	**17600**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
108-95-2	Phenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
129-00-0	**Pyrene**	**27200**		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
110-86-1	Pyridine	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1130	4500	25	EPA 8270D	09/23/2014 06:44	09/24/2014 10:18	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*114 %*	S-06	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*130 %*	S-06	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*125 %*		*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*158 %*	S-06	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*67.6 %*		*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*158 %*	S-06	*10-137*

Sample Information

Client Sample ID: SB-03 (0-2')

York Sample ID: 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.3	71.3	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.91	8.91	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.2	90.2	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:36	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*	*30-140*

Sample Information

Client Sample ID: SB-03 (0-2')

York Sample ID: 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:05	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*104 %*	*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**	**5640**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-36-0	**Antimony**	**1.48**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-38-2	**Arsenic**	**6.58**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-39-3	**Barium**	**182**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-43-9	**Cadmium**	**0.568**		mg/kg dry	0.324	0.324	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-70-2	**Calcium**	**4770**		mg/kg dry	0.540	5.40	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-47-3	**Chromium**	**24.3**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-48-4	**Cobalt**	**7.88**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-50-8	**Copper**	**1560**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7439-89-6	**Iron**	**16900**		mg/kg dry	2.16	2.16	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7439-92-1	**Lead**	**377**		mg/kg dry	0.324	0.324	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7439-95-4	**Magnesium**	**2370**		mg/kg dry	5.40	5.40	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7439-96-5	**Manganese**	**528**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-02-0	**Nickel**	**26.7**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-09-7	**Potassium**	**890**		mg/kg dry	5.40	5.40	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7782-49-2	**Selenium**	**3.81**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-22-4	**Silver**	**4.97**		mg/kg dry	0.540	0.540	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-23-5	**Sodium**	**138**		mg/kg dry	10.8	10.8	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW
7440-62-2	**Vanadium**	**25.6**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW

Sample Information

Client Sample ID: SB-03 (0-2') **York Sample ID:** 14I0802-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**769**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:18	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.983**		mg/kg dry	0.0324	0.0324	1	EPA 7473	09/22/2014 06:54	09/22/2014 12:19	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.6**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: SB-03 (11-13') **York Sample ID:** 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS

Sample Information

Client Sample ID: **SB-03 (11-13')** **York Sample ID:** **14I0802-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	59	120	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
78-93-3	**2-Butanone**	**83**	CCV-E	ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
67-64-1	**Acetone**	**240**	Cal-E, CCV-E, B	ug/kg dry	5.9	12	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS

Sample Information

Client Sample ID: SB-03 (11-13')

York Sample ID: 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	5.9	12	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.9	12	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.9	12	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.8	18	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.9	5.9	1	EPA 8260C	09/23/2014 08:14	09/23/2014 20:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
62-53-3	Aniline	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
120-12-7	**Anthracene**	**2200**	J	ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
56-55-3	**Benzo(a)anthracene**	**8470**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
50-32-8	**Benzo(a)pyrene**	**5760**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
205-99-2	**Benzo(b)fluoranthene**	**4040**	J	ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
191-24-2	**Benzo(g,h,i)perylene**	**2270**	J	ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
207-08-9	**Benzo(k)fluoranthene**	**5340**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR

Sample Information

Client Sample ID: SB-03 (11-13')

York Sample ID: 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
218-01-9	**Chrysene**	**8350**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
53-70-3	**Dibenzo(a,h)anthracene**	**1260**	J	ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	4300	8570	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	4300	8580	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
206-44-0	**Fluoranthene**	**14900**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
86-73-7	Fluorene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2330**	J	ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR

Sample Information

Client Sample ID: SB-03 (11-13')

York Sample ID: 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
91-20-3	Naphthalene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	2160	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
85-01-8	**Phenanthrene**	**9850**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
108-95-2	Phenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
129-00-0	**Pyrene**	**16000**		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
110-86-1	Pyridine	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1080	4290	20	EPA 8270D	09/23/2014 06:44	09/24/2014 09:48	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*49.2 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*69.4 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.2 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*79.2 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*15.7 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*85.3 %*	*10-137*

Sample Information

Client Sample ID: SB-03 (11-13')

York Sample ID: 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
309-00-2	Aldrin	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
57-74-9	Chlordane, total	ND		ug/kg dry	85.0	85.0	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
72-20-8	Endrin	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.6	10.6	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW
8001-35-2	Toxaphene	ND		ug/kg dry	107	107	5	EPA 8081B	09/23/2014 05:43	09/24/2014 11:51	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.6 %*	*30-140*

Sample Information

Client Sample ID: SB-03 (11-13')

York Sample ID: 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	09/23/2014 05:43	09/24/2014 12:24	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5550**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-36-0	**Antimony**	**1.23**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-38-2	**Arsenic**	**19.1**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-39-3	**Barium**	**557**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.129	0.129	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-43-9	**Cadmium**	**2.09**		mg/kg dry	0.386	0.386	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-70-2	**Calcium**	**9280**		mg/kg dry	0.644	6.44	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-47-3	**Chromium**	**22.9**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-48-4	**Cobalt**	**9.29**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-50-8	**Copper**	**255**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7439-89-6	**Iron**	**31700**		mg/kg dry	2.57	2.57	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7439-92-1	**Lead**	**889**		mg/kg dry	0.386	0.386	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7439-95-4	**Magnesium**	**2140**		mg/kg dry	6.44	6.44	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7439-96-5	**Manganese**	**423**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-02-0	**Nickel**	**17.9**		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-09-7	**Potassium**	**1110**		mg/kg dry	6.44	6.44	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7782-49-2	**Selenium**	**6.18**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.644	0.644	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-23-5	**Sodium**	**212**		mg/kg dry	12.9	12.9	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-28-0	Thallium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW
7440-62-2	**Vanadium**	**27.9**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW

Sample Information

Client Sample ID: SB-03 (11-13') **York Sample ID:** 14I0802-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Soil	September 16, 2014 3:00 pm	09/17/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**951**		mg/kg dry	1.29	1.29	1	EPA 6010C	09/22/2014 14:39	09/22/2014 19:26	MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.837**		mg/kg dry	0.0386	0.0386	1	EPA 7473	09/22/2014 06:54	09/22/2014 12:32	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**	**77.7**		%	0.100	0.100	1	SM 2540G	09/23/2014 09:20	09/23/2014 17:39	PAM

Sample Information

Client Sample ID: TB-20140916 **York Sample ID:** 14I0802-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Water	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS

Sample Information

Client Sample ID: TB-20140916 **York Sample ID:** 14I0802-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Water	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS

Sample Information

Client Sample ID: TB-20140916 **York Sample ID:** 14I0802-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0802	GQ14076.20	Water	September 16, 2014 3:00 pm	09/17/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	09/23/2014 17:54	09/24/2014 04:29	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.0 %*	*65-135*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*85.8 %*	*81-114*
2037-26-5	*Surrogate: Toluene-d8*	*114 %*	*86-118*

Analytical Batch Summary

Batch ID: BI41050 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-01	SB-01 (0-2')	09/22/14
14I0802-02	SB-01 (11-13')	09/22/14
14I0802-03	SB-02 (0-2')	09/22/14
14I0802-04	SB-02 (11-13')	09/22/14
14I0802-05	SB-03 (0-2')	09/22/14
14I0802-06	SB-03 (11-13')	09/22/14
BI41050-BLK1	Blank	09/22/14
BI41050-SRM1	Reference	09/22/14

Batch ID: BI41098 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-01	SB-01 (0-2')	09/22/14
14I0802-02	SB-01 (11-13')	09/22/14
14I0802-03	SB-02 (0-2')	09/22/14
14I0802-04	SB-02 (11-13')	09/22/14
14I0802-05	SB-03 (0-2')	09/22/14
14I0802-06	SB-03 (11-13')	09/22/14
BI41098-BLK1	Blank	09/22/14
BI41098-SRM1	Reference	09/22/14

Batch ID: BI41121 **Preparation Method:** EPA 3550C **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-01	SB-01 (0-2')	09/23/14
14I0802-01	SB-01 (0-2')	09/23/14
14I0802-02	SB-01 (11-13')	09/23/14
14I0802-02	SB-01 (11-13')	09/23/14
14I0802-03	SB-02 (0-2')	09/23/14
14I0802-03	SB-02 (0-2')	09/23/14
14I0802-04	SB-02 (11-13')	09/23/14
14I0802-04	SB-02 (11-13')	09/23/14
14I0802-05	SB-03 (0-2')	09/23/14
14I0802-05	SB-03 (0-2')	09/23/14
14I0802-06	SB-03 (11-13')	09/23/14
14I0802-06	SB-03 (11-13')	09/23/14
BI41121-BLK1	Blank	09/23/14
BI41121-BLK1	Blank	09/23/14
BI41121-BS1	LCS	09/23/14
BI41121-BS2	LCS	09/23/14
BI41121-BSD1	LCS Dup	09/23/14
BI41121-BSD2	LCS Dup	09/23/14
BI41121-MS2	Matrix Spike	09/23/14

Batch ID: BI41122 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-01	SB-01 (0-2')	09/23/14
14I0802-02	SB-01 (11-13')	09/23/14
14I0802-03	SB-02 (0-2')	09/23/14
14I0802-04	SB-02 (11-13')	09/23/14
14I0802-05	SB-03 (0-2')	09/23/14
14I0802-06	SB-03 (11-13')	09/23/14
BI41122-BLK1	Blank	09/23/14
BI41122-BS1	LCS	09/23/14
BI41122-BSD1	LCS Dup	09/23/14

Batch ID: BI41148 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-01	SB-01 (0-2')	09/23/14
14I0802-02	SB-01 (11-13')	09/23/14
14I0802-03	SB-02 (0-2')	09/23/14
14I0802-04	SB-02 (11-13')	09/23/14
14I0802-05	SB-03 (0-2')	09/23/14
14I0802-06	SB-03 (11-13')	09/23/14

Batch ID: BI41163 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-02	SB-01 (11-13')	09/23/14
14I0802-04	SB-02 (11-13')	09/23/14
14I0802-06	SB-03 (11-13')	09/23/14
BI41163-BLK1	Blank	09/23/14
BI41163-BS1	LCS	09/23/14
BI41163-BSD1	LCS Dup	09/23/14

Batch ID: BI41183 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0802-10	TB-20140916	09/23/14
BI41183-BLK1	Blank	09/23/14
BI41183-BS1	LCS	09/23/14
BI41183-BSD1	LCS Dup	09/23/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41163 - EPA 5035A											
Blank (BI41163-BLK1)											Prepared & Analyzed: 09/23/2014
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	5.6	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	3.0	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41163 - EPA 5035A											
Blank (BI41163-BLK1)								Prepared & Analyzed: 09/23/2014			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*48.1*		*ug/L*	*50.0*		*96.2*	*77-125*				
Surrogate: p-Bromofluorobenzene	*46.6*		*"*	*50.0*		*93.1*	*76-130*				
Surrogate: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
LCS (BI41163-BS1)								Prepared & Analyzed: 09/23/2014			
1,1,1,2-Tetrachloroethane	53.5		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	54.4		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	50.3		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.2		"	50.0		102	58-146				
1,1,2-Trichloroethane	54.3		"	50.0		109	83-123				
1,1-Dichloroethane	58.0		"	50.0		116	75-130				
1,1-Dichloroethylene	56.3		"	50.0		113	64-137				
1,1-Dichloropropylene	55.1		"	50.0		110	77-127				
1,2,3-Trichlorobenzene	47.5		"	50.0		95.0	81-140				
1,2,3-Trichloropropane	48.0		"	50.0		96.0	81-126				
1,2,4-Trichlorobenzene	47.5		"	50.0		95.0	80-141				
1,2,4-Trimethylbenzene	49.6		"	50.0		99.2	84-125				
1,2-Dibromo-3-chloropropane	48.7		"	50.0		97.4	74-142				
1,2-Dibromoethane	54.1		"	50.0		108	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	59.1		"	50.0		118	71-133				
1,2-Dichloropropane	57.0		"	50.0		114	81-122				
1,3,5-Trimethylbenzene	50.0		"	50.0		100	82-126				
1,3-Dichlorobenzene	49.1		"	50.0		98.2	84-124				
1,3-Dichloropropane	54.9		"	50.0		110	83-123				
1,4-Dichlorobenzene	48.2		"	50.0		96.5	84-124				
1,4-Dioxane	1500		"	1000		150	10-228				
2,2-Dichloropropane	57.0		"	50.0		114	67-136				
2-Butanone	59.0		"	50.0		118	58-147				
2-Chlorotoluene	51.4		"	50.0		103	78-127				
4-Chlorotoluene	49.4		"	50.0		98.7	79-125				
Acetone	64.4		"	50.0		129	36-155				
Benzene	56.9		"	50.0		114	77-127				
Bromobenzene	51.4		"	50.0		103	77-129				
Bromochloromethane	58.5		"	50.0		117	74-129				
Bromodichloromethane	54.7		"	50.0		109	81-124				
Bromoform	46.5		"	50.0		93.0	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41163 - EPA 5035A											
LCS (BI41163-BS1)								Prepared & Analyzed: 09/23/2014			
Bromomethane	81.8		ug/L	50.0		164	32-177				
Carbon tetrachloride	54.6		"	50.0		109	66-143				
Chlorobenzene	53.7		"	50.0		107	86-120				
Chloroethane	78.4		"	50.0		157	51-142	High Bias			
Chloroform	56.2		"	50.0		112	76-131				
Chloromethane	69.1		"	50.0		138	49-132	High Bias			
cis-1,2-Dichloroethylene	55.6		"	50.0		111	74-132				
cis-1,3-Dichloropropylene	56.0		"	50.0		112	81-129				
Dibromochloromethane	51.8		"	50.0		104	10-200				
Dibromomethane	54.4		"	50.0		109	83-124				
Dichlorodifluoromethane	58.1		"	50.0		116	28-158				
Ethyl Benzene	54.8		"	50.0		110	84-125				
Hexachlorobutadiene	48.0		"	50.0		95.9	83-133				
Isopropylbenzene	48.5		"	50.0		97.1	81-127				
Methyl tert-butyl ether (MTBE)	56.7		"	50.0		113	74-131				
Methylene chloride	55.3		"	50.0		111	57-141				
Naphthalene	49.0		"	50.0		98.0	86-141				
n-Butylbenzene	52.6		"	50.0		105	80-130				
n-Propylbenzene	50.6		"	50.0		101	74-136				
o-Xylene	54.8		"	50.0		110	83-123				
p- & m- Xylenes	118		"	100		118	82-128				
p-Isopropyltoluene	48.9		"	50.0		97.8	85-125				
sec-Butylbenzene	49.6		"	50.0		99.1	83-125				
Styrene	53.0		"	50.0		106	86-126				
tert-Butylbenzene	50.8		"	50.0		102	80-127				
Tetrachloroethylene	53.2		"	50.0		106	80-129				
Toluene	54.0		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	57.0		"	50.0		114	72-132				
trans-1,3-Dichloropropylene	55.2		"	50.0		110	78-132				
Trichloroethylene	55.6		"	50.0		111	84-123				
Trichlorofluoromethane	62.7		"	50.0		125	62-140				
Vinyl Chloride	67.4		"	50.0		135	52-130	High Bias			
Vinyl acetate	62.1		"	50.0		124	67-136				
Surrogate: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*77-125*				
Surrogate: p-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.3*	*76-130*				
Surrogate: Toluene-d8	*48.6*		*"*	*50.0*		*97.2*	*85-120*				

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 BI41163 - EPA 5035A											
LCS Dup (BI41163-BSD1)								Prepared & Analyzed: 09/23/2014			
1,1,1,2-Tetrachloroethane	52.4		ug/L	50.0		105	75-129		2.21	30	
1,1,1-Trichloroethane	55.0		"	50.0		110	71-137		1.19	30	
1,1,2,2-Tetrachloroethane	52.1		"	50.0		104	79-129		3.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101	58-146		1.36	30	
1,1,2-Trichloroethane	55.0		"	50.0		110	83-123		1.26	30	
1,1-Dichloroethane	58.6		"	50.0		117	75-130		0.977	30	
1,1-Dichloroethylene	55.9		"	50.0		112	64-137		0.784	30	
1,1-Dichloropropylene	55.8		"	50.0		112	77-127		1.32	30	
1,2,3-Trichlorobenzene	49.4		"	50.0		98.7	81-140		3.82	30	
1,2,3-Trichloropropane	47.7		"	50.0		95.4	81-126		0.585	30	
1,2,4-Trichlorobenzene	48.6		"	50.0		97.1	80-141		2.21	30	
1,2,4-Trimethylbenzene	49.2		"	50.0		98.4	84-125		0.789	30	
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	74-142		4.60	30	
1,2-Dibromoethane	54.4		"	50.0		109	86-123		0.663	30	
1,2-Dichlorobenzene	51.4		"	50.0		103	85-122		1.41	30	
1,2-Dichloroethane	61.2		"	50.0		122	71-133		3.57	30	
1,2-Dichloropropane	55.8		"	50.0		112	81-122		2.23	30	
1,3,5-Trimethylbenzene	49.4		"	50.0		98.8	82-126		1.23	30	
1,3-Dichlorobenzene	48.9		"	50.0		97.9	84-124		0.306	30	
1,3-Dichloropropane	56.2		"	50.0		112	83-123		2.32	30	
1,4-Dichlorobenzene	49.0		"	50.0		98.1	84-124		1.64	30	
1,4-Dioxane	1510		"	1000		151	10-228		0.496	30	
2,2-Dichloropropane	57.5		"	50.0		115	67-136		0.856	30	
2-Butanone	57.5		"	50.0		115	58-147		2.66	30	
2-Chlorotoluene	50.7		"	50.0		101	78-127		1.53	30	
4-Chlorotoluene	49.9		"	50.0		99.8	79-125		1.07	30	
Acetone	54.4		"	50.0		109	36-155		16.8	30	
Benzene	57.0		"	50.0		114	77-127		0.281	30	
Bromobenzene	50.0		"	50.0		100	77-129		2.60	30	
Bromochloromethane	59.0		"	50.0		118	74-129		0.800	30	
Bromodichloromethane	54.4		"	50.0		109	81-124		0.476	30	
Bromoform	47.4		"	50.0		94.7	80-136		1.88	30	
Bromomethane	77.1		"	50.0		154	32-177		6.02	30	
Carbon tetrachloride	54.6		"	50.0		109	66-143		0.0366	30	
Chlorobenzene	52.9		"	50.0		106	86-120		1.43	30	
Chloroethane	76.3		"	50.0		153	51-142	High Bias	2.73	30	
Chloroform	56.4		"	50.0		113	76-131		0.479	30	
Chloromethane	68.3		"	50.0		137	49-132	High Bias	1.08	30	
cis-1,2-Dichloroethylene	56.8		"	50.0		114	74-132		2.17	30	
cis-1,3-Dichloropropylene	55.2		"	50.0		110	81-129		1.31	30	
Dibromochloromethane	52.1		"	50.0		104	10-200		0.578	30	
Dibromomethane	53.3		"	50.0		107	83-124		2.02	30	
Dichlorodifluoromethane	58.4		"	50.0		117	28-158		0.412	30	
Ethyl Benzene	54.5		"	50.0		109	84-125		0.567	30	
Hexachlorobutadiene	49.4		"	50.0		98.7	83-133		2.86	30	
Isopropylbenzene	49.2		"	50.0		98.3	81-127		1.27	30	
Methyl tert-butyl ether (MTBE)	57.6		"	50.0		115	74-131		1.56	30	
Methylene chloride	56.3		"	50.0		113	57-141		1.68	30	
Naphthalene	49.8		"	50.0		99.6	86-141		1.66	30	
n-Butylbenzene	52.1		"	50.0		104	80-130		1.07	30	
n-Propylbenzene	51.7		"	50.0		103	74-136		2.23	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 BI41163 - EPA 5035A											
LCS Dup (BI41163-BSD1)								Prepared & Analyzed: 09/23/2014			
o-Xylene	55.7		ug/L	50.0		111	83-123		1.48	30	
p- & m- Xylenes	120		"	100		120	82-128		1.62	30	
p-Isopropyltoluene	49.3		"	50.0		98.6	85-125		0.856	30	
sec-Butylbenzene	49.7		"	50.0		99.3	83-125		0.222	30	
Styrene	55.0		"	50.0		110	86-126		3.65	30	
tert-Butylbenzene	50.8		"	50.0		102	80-127		0.0984	30	
Tetrachloroethylene	52.7		"	50.0		105	80-129		0.887	30	
Toluene	54.1		"	50.0		108	85-121		0.259	30	
trans-1,2-Dichloroethylene	56.6		"	50.0		113	72-132		0.651	30	
trans-1,3-Dichloropropylene	55.9		"	50.0		112	78-132		1.33	30	
Trichloroethylene	55.2		"	50.0		110	84-123		0.650	30	
Trichlorofluoromethane	63.7		"	50.0		127	62-140		1.53	30	
Vinyl Chloride	66.2		"	50.0		132	52-130	High Bias	1.78	30	
Vinyl acetate	63.7		"	50.0		127	67-136		2.46	30	
Surrogate: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: p-Bromofluorobenzene	*46.2*		*"*	*50.0*		*92.3*	*76-130*				
Surrogate: Toluene-d8	*47.9*		*"*	*50.0*		*95.9*	*85-120*				
Batch BI41183 - EPA 5030B											
Blank (BI41183-BLK1)								Prepared & Analyzed: 09/23/2014			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	12	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41183 - EPA 5030B											
Blank (BI41183-BLK1)											
Prepared & Analyzed: 09/23/2014											
Bromomethane	ND	5.0	ug/L								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*61.3*		*"*	*50.0*		*123*	*65-135*				
Surrogate: p-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.7*	*81-114*				
Surrogate: Toluene-d8	*36.8*		*"*	*50.0*		*73.6*	*86-118*				

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 BI41183 - EPA 5030B											
LCS (BI41183-BS1)								Prepared & Analyzed: 09/23/2014			
1,1,1,2-Tetrachloroethane	56.2		ug/L	50.0		112	70-132				
1,1,1-Trichloroethane	54.7		"	50.0		109	68-138				
1,1,2,2-Tetrachloroethane	54.7		"	50.0		109	73-132				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.6		"	50.0		113	67-136				
1,1,2-Trichloroethane	53.9		"	50.0		108	79-125				
1,1-Dichloroethane	66.7		"	50.0		133	78-128	High Bias			
1,1-Dichloroethylene	57.6		"	50.0		115	68-134				
1,1-Dichloropropylene	50.6		"	50.0		101	74-130				
1,2,3-Trichlorobenzene	57.1		"	50.0		114	77-140				
1,2,3-Trichloropropane	57.2		"	50.0		114	79-127				
1,2,4-Trichlorobenzene	54.3		"	50.0		109	75-141				
1,2,4-Trimethylbenzene	51.2		"	50.0		102	78-127				
1,2-Dibromo-3-chloropropane	54.9		"	50.0		110	60-150				
1,2-Dibromoethane	56.2		"	50.0		112	86-123				
1,2-Dichlorobenzene	53.4		"	50.0		107	79-125				
1,2-Dichloroethane	59.5		"	50.0		119	69-133				
1,2-Dichloropropane	51.2		"	50.0		102	76-124				
1,3,5-Trimethylbenzene	50.9		"	50.0		102	78-128				
1,3-Dichlorobenzene	52.5		"	50.0		105	81-124				
1,3-Dichloropropane	54.4		"	50.0		109	79-125				
1,4-Dichlorobenzene	53.5		"	50.0		107	82-124				
2,2-Dichloropropane	63.3		"	50.0		127	61-139				
2-Butanone	62.8		"	50.0		126	44-169				
2-Chlorotoluene	50.5		"	50.0		101	74-130				
4-Chlorotoluene	50.9		"	50.0		102	75-127				
Acetone	59.3		"	50.0		119	29-163				
Benzene	47.7		"	50.0		95.4	72-134				
Bromobenzene	52.8		"	50.0		106	74-129				
Bromochloromethane	49.3		"	50.0		98.7	69-134				
Bromodichloromethane	52.7		"	50.0		105	76-127				
Bromoform	56.4		"	50.0		113	77-137				
Bromomethane	47.8		"	50.0		95.6	50-156				
Carbon tetrachloride	56.5		"	50.0		113	62-145				
Chlorobenzene	53.7		"	50.0		107	85-119				
Chloroethane	51.0		"	50.0		102	49-143				
Chloroform	52.2		"	50.0		104	74-131				
Chloromethane	63.3		"	50.0		127	43-134				
cis-1,2-Dichloroethylene	60.1		"	50.0		120	73-134				
cis-1,3-Dichloropropylene	53.4		"	50.0		107	77-128				
Dibromochloromethane	56.8		"	50.0		114	79-130				
Dibromomethane	55.3		"	50.0		111	78-128				
Dichlorodifluoromethane	60.5		"	50.0		121	38-139				
Ethyl Benzene	54.0		"	50.0		108	80-129				
Hexachlorobutadiene	50.0		"	50.0		100	72-141				
Isopropylbenzene	51.1		"	50.0		102	76-128				
Methyl tert-butyl ether (MTBE)	66.5		"	50.0		133	64-142				
Methylene chloride	57.6		"	50.0		115	56-142				
Naphthalene	61.8		"	50.0		124	79-144				
n-Butylbenzene	51.9		"	50.0		104	74-132				
n-Propylbenzene	50.6		"	50.0		101	72-135				
o-Xylene	53.0		"	50.0		106	81-123				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41183 - EPA 5030B											
LCS (BI41183-BS1)								Prepared & Analyzed: 09/23/2014			
p- & m- Xylenes	107		ug/L	100		107	79-130				
p-Isopropyltoluene	51.3		"	50.0		103	80-127				
sec-Butylbenzene	51.6		"	50.0		103	78-127				
Styrene	54.1		"	50.0		108	82-124				
tert-Butylbenzene	53.3		"	50.0		107	75-131				
Tetrachloroethylene	48.9		"	50.0		97.8	78-133				
Toluene	51.4		"	50.0		103	83-122				
trans-1,2-Dichloroethylene	61.6		"	50.0		123	59-145				
trans-1,3-Dichloropropylene	55.0		"	50.0		110	74-131				
Trichloroethylene	49.4		"	50.0		98.9	81-125				
Trichlorofluoromethane	55.1		"	50.0		110	61-144				
Vinyl Chloride	61.8		"	50.0		124	42-136				
Vinyl acetate	200		"	50.0		400	32-165	High Bias			
Surrogate: 1,2-Dichloroethane-d4	*54.5*		*"*	*50.0*		*109*	*65-135*				
Surrogate: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*81-114*				
Surrogate: Toluene-d8	*47.9*		*"*	*50.0*		*95.9*	*86-118*				
LCS Dup (BI41183-BSD1)								Prepared & Analyzed: 09/23/2014			
1,1,1,2-Tetrachloroethane	55.3		ug/L	50.0		111	70-132		1.65	30	
1,1,1-Trichloroethane	53.1		"	50.0		106	68-138		2.95	30	
1,1,2,2-Tetrachloroethane	54.3		"	50.0		109	73-132		0.844	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.1		"	50.0		104	67-136		8.35	30	
1,1,2-Trichloroethane	51.7		"	50.0		103	79-125		4.13	30	
1,1-Dichloroethane	42.2		"	50.0		84.3	78-128		45.0	30	Non-dir.
1,1-Dichloroethylene	55.5		"	50.0		111	68-134		3.78	30	
1,1-Dichloropropylene	49.1		"	50.0		98.2	74-130		3.03	30	
1,2,3-Trichlorobenzene	55.4		"	50.0		111	77-140		2.97	30	
1,2,3-Trichloropropane	55.5		"	50.0		111	79-127		3.00	30	
1,2,4-Trichlorobenzene	52.4		"	50.0		105	75-141		3.60	30	
1,2,4-Trimethylbenzene	49.5		"	50.0		99.0	78-127		3.26	30	
1,2-Dibromo-3-chloropropane	53.5		"	50.0		107	60-150		2.55	30	
1,2-Dibromoethane	53.7		"	50.0		107	86-123		4.56	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	79-125		5.79	30	
1,2-Dichloroethane	57.3		"	50.0		115	69-133		3.87	30	
1,2-Dichloropropane	49.5		"	50.0		99.0	76-124		3.43	30	
1,3,5-Trimethylbenzene	49.3		"	50.0		98.7	78-128		3.11	30	
1,3-Dichlorobenzene	50.6		"	50.0		101	81-124		3.64	30	
1,3-Dichloropropane	52.9		"	50.0		106	79-125		2.83	30	
1,4-Dichlorobenzene	50.2		"	50.0		100	82-124		6.38	30	
2,2-Dichloropropane	53.3		"	50.0		107	61-139		17.2	30	
2-Butanone	48.8		"	50.0		97.7	44-169		25.1	30	
2-Chlorotoluene	49.4		"	50.0		98.8	74-130		2.16	30	
4-Chlorotoluene	49.9		"	50.0		99.8	75-127		1.96	30	
Acetone	61.0		"	50.0		122	29-163		2.87	30	
Benzene	46.9		"	50.0		93.8	72-134		1.67	30	
Bromobenzene	51.8		"	50.0		104	74-129		1.93	30	
Bromochloromethane	48.6		"	50.0		97.2	69-134		1.53	30	
Bromodichloromethane	51.2		"	50.0		102	76-127		2.85	30	
Bromoform	54.8		"	50.0		110	77-137		2.93	30	
Bromomethane	48.5		"	50.0		96.9	50-156		1.43	30	
Carbon tetrachloride	54.6		"	50.0		109	62-145		3.44	30	
Chlorobenzene	51.3		"	50.0		103	85-119		4.69	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 BI41183 - EPA 5030B											
LCS Dup (BI41183-BSD1)								Prepared & Analyzed: 09/23/2014			
Chloroethane	50.3		ug/L	50.0		101	49-143		1.56	30	
Chloroform	51.1		"	50.0		102	74-131		2.15	30	
Chloromethane	63.6		"	50.0		127	43-134		0.441	30	
cis-1,2-Dichloroethylene	45.9		"	50.0		91.8	73-134		26.8	30	
cis-1,3-Dichloropropylene	51.8		"	50.0		104	77-128		3.08	30	
Dibromochloromethane	55.5		"	50.0		111	79-130		2.37	30	
Dibromomethane	53.0		"	50.0		106	78-128		4.23	30	
Dichlorodifluoromethane	60.0		"	50.0		120	38-139		0.864	30	
Ethyl Benzene	52.1		"	50.0		104	80-129		3.58	30	
Hexachlorobutadiene	49.2		"	50.0		98.3	72-141		1.77	30	
Isopropylbenzene	49.4		"	50.0		98.8	76-128		3.40	30	
Methyl tert-butyl ether (MTBE)	71.1		"	50.0		142	64-142		6.76	30	
Methylene chloride	53.3		"	50.0		107	56-142		7.70	30	
Naphthalene	60.2		"	50.0		120	79-144		2.75	30	
n-Butylbenzene	49.0		"	50.0		98.0	74-132		5.79	30	
n-Propylbenzene	49.3		"	50.0		98.6	72-135		2.52	30	
o-Xylene	51.8		"	50.0		104	81-123		2.16	30	
p- & m- Xylenes	103		"	100		103	79-130		3.98	30	
p-Isopropyltoluene	49.8		"	50.0		99.5	80-127		3.07	30	
sec-Butylbenzene	49.8		"	50.0		99.6	78-127		3.57	30	
Styrene	52.6		"	50.0		105	82-124		2.79	30	
tert-Butylbenzene	51.8		"	50.0		104	75-131		2.80	30	
Tetrachloroethylene	47.4		"	50.0		94.9	78-133		3.03	30	
Toluene	49.5		"	50.0		99.0	83-122		3.86	30	
trans-1,2-Dichloroethylene	61.0		"	50.0		122	59-145		0.929	30	
trans-1,3-Dichloropropylene	53.0		"	50.0		106	74-131		3.73	30	
Trichloroethylene	47.3		"	50.0		94.6	81-125		4.47	30	
Trichlorofluoromethane	54.9		"	50.0		110	61-144		0.273	30	
Vinyl Chloride	62.3		"	50.0		125	42-136		0.838	30	
Vinyl acetate	110		"	50.0		219	32-165	High Bias	58.3	30	Non-dir.
Surrogate: 1,2-Dichloroethane-d4	*53.2*		*"*	*50.0*		*106*	*65-135*				
Surrogate: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.5*	*81-114*				
Surrogate: Toluene-d8	*47.5*		*"*	*50.0*		*95.1*	*86-118*				

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 BI41122 - EPA 3550C

Blank (BI41122-BLK1) Prepared & Analyzed: 09/23/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	333	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	167	"								
2,4-Dinitrophenol	ND	333	"								
2,4-Dinitrotoluene	ND	167	"								
2,6-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41122 - EPA 3550C											
Blank (BI41122-BLK1)								Prepared & Analyzed: 09/23/2014			
2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
Surrogate: 2-Fluorophenol	*1210*		*"*	*2510*		*48.4*	*10-105*				
Surrogate: Phenol-d5	*1460*		*"*	*2510*		*58.1*	*10-118*				
Surrogate: Nitrobenzene-d5	*808*		*"*	*1670*		*48.3*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*916*		*"*	*1670*		*55.0*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1470*		*"*	*2500*		*58.8*	*10-150*				
Surrogate: Terphenyl-d14	*1140*		*"*	*1670*		*68.3*	*10-137*				
LCS (BI41122-BS1)								Prepared & Analyzed: 09/23/2014			
Acenaphthene	1180	167	ug/kg wet	1670		71.1	17-124				
Acenaphthylene	1170	167	"	1670		70.1	16-124				
Aniline	766	167	"	1670		45.9	10-111				
Anthracene	1290	167	"	1670		77.1	24-124				
Benzo(a)anthracene	1290	167	"	1670		77.2	25-134				
Benzo(a)pyrene	1200	167	"	1670		71.7	29-144				
Benzo(b)fluoranthene	1210	167	"	1670		72.8	20-151				
Benzo(g,h,i)perylene	1150	167	"	1670		68.8	10-153				
Benzo(k)fluoranthene	1130	167	"	1670		67.8	10-148				
Benzyl alcohol	1170	167	"	1670		69.9	17-128				
Benzyl butyl phthalate	1390	167	"	1670		83.2	10-132				
4-Bromophenyl phenyl ether	1130	167	"	1670		67.8	30-138				
4-Chloro-3-methylphenol	1120	167	"	1670		67.0	16-138				
4-Chloroaniline	1060	167	"	1670		63.4	10-117				
Bis(2-chloroethoxy)methane	1100	167	"	1670		65.9	10-129				
Bis(2-chloroethyl)ether	799	167	"	1670		47.9	14-125				
Bis(2-chloroisopropyl)ether	1300	167	"	1670		77.8	14-122				
2-Chloronaphthalene	1110	167	"	1670		66.7	22-115				
2-Chlorophenol	893	167	"	1670		53.6	25-121				
4-Chlorophenyl phenyl ether	1160	167	"	1670		69.8	18-132				
Chrysene	1250	167	"	1670		74.7	24-116				
Dibenzo(a,h)anthracene	1170	167	"	1670		70.4	17-147				
Dibenzofuran	1130	167	"	1670		67.7	23-123				
Di-n-butyl phthalate	1240	167	"	1670		74.3	19-123				
1,3-Dichlorobenzene	920	167	"	1670		55.2	32-113				
1,4-Dichlorobenzene	902	167	"	1670		54.1	28-111				
1,2-Dichlorobenzene	962	167	"	1670		57.7	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41122 - EPA 3550C											
LCS (BI41122-BS1)							Prepared & Analyzed: 09/23/2014				
3,3'-Dichlorobenzidine	1380	333	ug/kg wet	1670		82.5	10-147				
2,4-Dichlorophenol	973	167	"	1670		58.4	23-133				
Diethyl phthalate	1230	167	"	1670		73.5	23-122				
2,4-Dimethylphenol	973	167	"	1670		58.4	15-131				
Dimethyl phthalate	1270	167	"	1670		76.1	28-127				
4,6-Dinitro-2-methylphenol	1060	167	"	1670		63.4	10-149				
2,4-Dinitrophenol	961	333	"	1670		57.6	10-149				
2,4-Dinitrotoluene	1420	167	"	1670		84.9	30-123				
2,6-Dinitrotoluene	1340	167	"	1670		80.6	30-125				
Di-n-octyl phthalate	1350	167	"	1670		81.0	10-132				
Bis(2-ethylhexyl)phthalate	1390	167	"	1670		83.5	10-141				
Fluoranthene	1220	167	"	1670		73.5	36-125				
Fluorene	1190	167	"	1670		71.6	16-130				
Hexachlorobenzene	1220	167	"	1670		72.9	10-129				
Hexachlorobutadiene	891	167	"	1670		53.5	22-153				
Hexachlorocyclopentadiene	980	167	"	1670		58.8	10-134				
Hexachloroethane	1060	167	"	1670		63.4	20-112				
Indeno(1,2,3-cd)pyrene	1150	167	"	1670		68.7	10-155				
Isophorone	1190	167	"	1670		71.3	14-131				
2-Methylnaphthalene	1090	167	"	1670		65.5	16-127				
2-Methylphenol	962	167	"	1670		57.7	10-146				
3- & 4-Methylphenols	993	167	"	1670		59.6	20-109				
Naphthalene	1070	167	"	1670		64.4	20-121				
3-Nitroaniline	1210	167	"	1670		72.6	23-123				
2-Nitroaniline	1180	167	"	1670		71.1	24-126				
4-Nitroaniline	1180	167	"	1670		70.5	14-125				
Nitrobenzene	1070	167	"	1670		64.0	20-121				
2-Nitrophenol	950	167	"	1670		57.0	17-129				
4-Nitrophenol	1100	167	"	1670		66.2	10-136				
N-nitroso-di-n-propylamine	1160	167	"	1670		69.3	21-119				
N-Nitrosodimethylamine	994	167	"	1670		59.6	10-124				
N-Nitrosodiphenylamine	1280	167	"	1670		76.6	10-163				
Pentachlorophenol	1240	167	"	1670		74.1	10-143				
Phenanthrene	1260	167	"	1670		75.6	24-123				
Phenol	962	167	"	1670		57.7	15-123				
Pyrene	1360	167	"	1670		81.6	24-132				
Pyridine	280	167	"	1670		16.8	10-92				
1,2,4-Trichlorobenzene	919	167	"	1670		55.1	23-130				
2,4,6-Trichlorophenol	1050	167	"	1670		63.1	27-122				
2,4,5-Trichlorophenol	1050	167	"	1670		63.0	14-138				
Surrogate: 2-Fluorophenol	*1540*		*"*	*2510*		*61.4*	*10-105*				
Surrogate: Phenol-d5	*1640*		*"*	*2510*		*65.6*	*10-118*				
Surrogate: Nitrobenzene-d5	*1060*		*"*	*1670*		*63.1*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1120*		*"*	*1670*		*67.3*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1820*		*"*	*2500*		*72.7*	*30-130*				
Surrogate: Terphenyl-d14	*1310*		*"*	*1670*		*78.3*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BI41122 - EPA 3550C

LCS Dup (BI41122-BSD1) Prepared & Analyzed: 09/23/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	1260	167	ug/kg wet	1670		75.8	17-124		6.35	30	
Acenaphthylene	1360	167	"	1670		81.8	16-124		15.4	30	
Aniline	933	167	"	1670		56.0	10-111		19.7	30	
Anthracene	1380	167	"	1670		83.1	24-124		7.44	30	
Benzo(a)anthracene	1280	167	"	1670		76.9	25-134		0.415	30	
Benzo(a)pyrene	1230	167	"	1670		73.6	29-144		2.51	30	
Benzo(b)fluoranthene	1150	167	"	1670		69.1	20-151		5.13	30	
Benzo(g,h,i)perylene	1030	167	"	1670		62.0	10-153		10.5	30	
Benzo(k)fluoranthene	892	167	"	1670		53.5	10-148		23.5	30	
Benzyl alcohol	1200	167	"	1670		72.0	17-128		2.88	30	
Benzyl butyl phthalate	1380	167	"	1670		82.9	10-132		0.313	30	
4-Bromophenyl phenyl ether	1220	167	"	1670		73.5	30-138		8.10	30	
4-Chloro-3-methylphenol	1110	167	"	1670		66.7	16-138		0.419	30	
4-Chloroaniline	1080	167	"	1670		65.0	10-117		2.52	30	
Bis(2-chloroethoxy)methane	1070	167	"	1670		64.1	10-129		2.65	30	
Bis(2-chloroethyl)ether	973	167	"	1670		58.4	14-125		19.7	30	
Bis(2-chloroisopropyl)ether	1330	167	"	1670		79.6	14-122		2.31	30	
2-Chloronaphthalene	1190	167	"	1670		71.4	22-115		6.77	30	
2-Chlorophenol	938	167	"	1670		56.3	25-121		4.91	30	
4-Chlorophenyl phenyl ether	1230	167	"	1670		73.5	18-132		5.13	30	
Chrysene	1320	167	"	1670		79.0	24-116		5.52	30	
Dibenzo(a,h)anthracene	1100	167	"	1670		66.1	17-147		6.24	30	
Dibenzofuran	1100	167	"	1670		65.9	23-123		2.63	30	
Di-n-butyl phthalate	1310	167	"	1670		78.6	19-123		5.62	30	
1,3-Dichlorobenzene	959	167	"	1670		57.5	32-113		4.15	30	
1,4-Dichlorobenzene	913	167	"	1670		54.8	28-111		1.25	30	
1,2-Dichlorobenzene	1040	167	"	1670		62.7	26-113		8.27	30	
3,3'-Dichlorobenzidine	1400	333	"	1670		84.1	10-147		1.85	30	
2,4-Dichlorophenol	937	167	"	1670		56.2	23-133		3.73	30	
Diethyl phthalate	1450	167	"	1670		87.0	23-122		16.8	30	
2,4-Dimethylphenol	1030	167	"	1670		62.0	15-131		6.08	30	
Dimethyl phthalate	1430	167	"	1670		85.8	28-127		11.9	30	
4,6-Dinitro-2-methylphenol	1130	167	"	1670		68.0	10-149		6.94	30	
2,4-Dinitrophenol	1260	333	"	1670		75.4	10-149		26.7	30	
2,4-Dinitrotoluene	1400	167	"	1670		83.8	30-123		1.33	30	
2,6-Dinitrotoluene	1360	167	"	1670		81.3	30-125		0.889	30	
Di-n-octyl phthalate	1280	167	"	1670		77.0	10-132		5.06	30	
Bis(2-ethylhexyl)phthalate	1520	167	"	1670		91.0	10-141		8.55	30	
Fluoranthene	1260	167	"	1670		75.5	36-125		2.74	30	
Fluorene	1220	167	"	1670		73.0	16-130		1.96	30	
Hexachlorobenzene	1340	167	"	1670		80.2	10-129		9.53	30	
Hexachlorobutadiene	927	167	"	1670		55.6	22-153		3.92	30	
Hexachlorocyclopentadiene	1110	167	"	1670		66.6	10-134		12.5	30	
Hexachloroethane	1080	167	"	1670		65.0	20-112		2.59	30	
Indeno(1,2,3-cd)pyrene	940	167	"	1670		56.4	10-155		19.7	30	
Isophorone	1210	167	"	1670		72.8	14-131		2.08	30	
2-Methylnaphthalene	1180	167	"	1670		70.5	16-127		7.44	30	
2-Methylphenol	960	167	"	1670		57.6	10-146		0.208	30	
3- & 4-Methylphenols	1000	167	"	1670		60.1	20-109		0.902	30	
Naphthalene	990	167	"	1670		59.4	20-121		8.14	30	
3-Nitroaniline	1330	167	"	1670		79.8	23-123		9.40	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41122 - EPA 3550C											
LCS Dup (BI41122-BSD1)							Prepared & Analyzed: 09/23/2014				
2-Nitroaniline	1400	167	ug/kg wet	1670		84.1	24-126		16.8	30	
4-Nitroaniline	1190	167	"	1670		71.5	14-125		1.44	30	
Nitrobenzene	1120	167	"	1670		67.3	20-121		5.03	30	
2-Nitrophenol	1080	167	"	1670		64.9	17-129		12.9	30	
4-Nitrophenol	1150	167	"	1670		69.2	10-136		4.43	30	
N-nitroso-di-n-propylamine	1160	167	"	1670		69.6	21-119		0.432	30	
N-Nitrosodimethylamine	1130	167	"	1670		67.8	10-124		12.8	30	
N-Nitrosodiphenylamine	1310	167	"	1670		78.8	10-163		2.88	30	
Pentachlorophenol	1300	167	"	1670		78.1	10-143		5.18	30	
Phenanthrene	1360	167	"	1670		81.8	24-123		7.90	30	
Phenol	962	167	"	1670		57.7	15-123		0.00	30	
Pyrene	1350	167	"	1670		81.2	24-132		0.516	30	
Pyridine	497	167	"	1670		29.8	10-92		55.9	30	Non-dir.
1,2,4-Trichlorobenzene	904	167	"	1670		54.2	23-130		1.65	30	
2,4,6-Trichlorophenol	1120	167	"	1670		67.3	27-122		6.41	30	
2,4,5-Trichlorophenol	1180	167	"	1670		70.6	14-138		11.4	30	
Surrogate: 2-Fluorophenol	*1680*		*"*	*2510*		*67.1*	*10-105*				
Surrogate: Phenol-d5	*1590*		*"*	*2510*		*63.5*	*10-118*				
Surrogate: Nitrobenzene-d5	*1120*		*"*	*1670*		*66.7*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1220*		*"*	*1670*		*72.9*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1970*		*"*	*2500*		*78.9*	*30-130*				
Surrogate: Terphenyl-d14	*1290*		*"*	*1670*		*77.2*	*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 BI41121 - EPA 3550C											
Blank (BI41121-BLK1)									Prepared & Analyzed: 09/23/2014		
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*58.9*		*"*	*66.7*		*88.3*	*30-140*				
Surrogate: Decachlorobiphenyl	*50.4*		*"*	*66.7*		*75.6*	*30-140*				
LCS (BI41121-BS1)									Prepared & Analyzed: 09/23/2014		
4,4'-DDD	34.0	0.330	ug/kg wet	33.3		102	40-140				
4,4'-DDE	33.2	0.330	"	33.3		99.5	40-140				
4,4'-DDT	38.3	0.330	"	33.3		115	40-140				
Aldrin	30.8	0.330	"	33.3		92.3	40-140				
alpha-BHC	31.5	0.330	"	33.3		94.4	40-140				
beta-BHC	33.5	0.330	"	33.3		100	40-140				
gamma-Chlordane	29.0	0.330	"	33.3		87.0	40-140				
delta-BHC	32.7	0.330	"	33.3		98.2	40-140				
Dieldrin	30.2	0.330	"	33.3		90.7	40-140				
Endosulfan I	29.4	0.330	"	33.3		88.3	40-140				
Endosulfan II	29.2	0.330	"	33.3		87.6	40-140				
Endosulfan sulfate	27.9	0.330	"	33.3		83.6	40-140				
Endrin	33.1	0.330	"	33.3		99.3	40-140				
Endrin aldehyde	26.8	0.330	"	33.3		80.5	40-140				
Endrin ketone	28.9	0.330	"	33.3		86.7	40-140				
gamma-BHC (Lindane)	30.9	0.330	"	33.3		92.8	40-140				
Heptachlor	28.5	0.330	"	33.3		85.4	40-140				
Heptachlor epoxide	27.8	0.330	"	33.3		83.3	40-140				
alpha-Chlordane	27.7	0.330	"	33.3		83.1	40-140				
Methoxychlor	36.4	1.65	"	33.3		109	40-140				
Surrogate: Tetrachloro-m-xylene	*72.7*		*"*	*66.7*		*109*	*30-140*				
Surrogate: Decachlorobiphenyl	*70.3*		*"*	*66.7*		*105*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41121 - EPA 3550C											
LCS Dup (BI41121-BSD1)								Prepared & Analyzed: 09/23/2014			
4,4'-DDD	35.6	0.330	ug/kg wet	33.3		107	40-140		4.60	30	
4,4'-DDE	34.4	0.330	"	33.3		103	40-140		3.79	30	
4,4'-DDT	41.1	0.330	"	33.3		123	40-140		7.06	30	
Aldrin	31.5	0.330	"	33.3		94.6	40-140		2.45	30	
alpha-BHC	32.8	0.330	"	33.3		98.4	40-140		4.15	30	
beta-BHC	34.9	0.330	"	33.3		105	40-140		4.21	30	
gamma-Chlordane	30.0	0.330	"	33.3		90.1	40-140		3.56	30	
delta-BHC	33.7	0.330	"	33.3		101	40-140		2.81	30	
Dieldrin	31.2	0.330	"	33.3		93.5	40-140		3.07	30	
Endosulfan I	30.5	0.330	"	33.3		91.5	40-140		3.58	30	
Endosulfan II	30.4	0.330	"	33.3		91.2	40-140		3.98	30	
Endosulfan sulfate	32.1	0.330	"	33.3		96.2	40-140		14.0	30	
Endrin	34.2	0.330	"	33.3		103	40-140		3.25	30	
Endrin aldehyde	28.0	0.330	"	33.3		84.1	40-140		4.33	30	
Endrin ketone	33.0	0.330	"	33.3		99.0	40-140		13.2	30	
gamma-BHC (Lindane)	32.0	0.330	"	33.3		96.0	40-140		3.41	30	
Heptachlor	29.2	0.330	"	33.3		87.7	40-140		2.61	30	
Heptachlor epoxide	28.6	0.330	"	33.3		85.9	40-140		2.96	30	
alpha-Chlordane	28.8	0.330	"	33.3		86.3	40-140		3.68	30	
Methoxychlor	38.7	1.65	"	33.3		116	40-140		6.09	30	
Surrogate: Tetrachloro-m-xylene	*73.9*		*"*	*66.7*		*111*	*30-140*				
Surrogate: Decachlorobiphenyl	*72.2*		*"*	*66.7*		*108*	*30-140*				

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 BI41121 - EPA 3550C											
Blank (BI41121-BLK1)								Prepared: 09/23/2014 Analyzed: 09/24/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0647*		*"*	*0.0667*		*97.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0683*		*"*	*0.0667*		*102*	*30-140*				
LCS (BI41121-BS2)								Prepared: 09/23/2014 Analyzed: 09/24/2014			
Aroclor 1016	0.366	0.0167	mg/kg wet	0.333		110	40-130				
Aroclor 1260	0.396	0.0167	"	0.333		119	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0633*		*"*	*0.0667*		*95.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0753*		*"*	*0.0667*		*113*	*30-140*				
LCS Dup (BI41121-BSD2)								Prepared: 09/23/2014 Analyzed: 09/24/2014			
Aroclor 1016	0.351	0.0167	mg/kg wet	0.333		105	40-130		4.19	25	
Aroclor 1260	0.389	0.0167	"	0.333		117	40-130		1.84	25	
Surrogate: Tetrachloro-m-xylene	*0.0637*		*"*	*0.0667*		*95.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0723*		*"*	*0.0667*		*108*	*30-140*				
Matrix Spike (BI41121-MS2)	*Source sample: 14I0802-01 (SB-01 (0-2'))							Prepared: 09/23/2014 Analyzed: 09/24/2014			
Aroclor 1016	0.413	0.0175	mg/kg dry	0.350	ND	118	40-140				
Aroclor 1260	0.434	0.0175	"	0.350	ND	124	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0661*		*"*	*0.0699*		*94.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0675*		*"*	*0.0699*		*96.5*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41098 - EPA 3050B											
Blank (BI41098-BLK1)											Prepared & Analyzed: 09/22/2014
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BI41098-SRM1)											Prepared & Analyzed: 09/22/2014
Aluminum	7410	1.00	mg/kg wet	9390		78.9	43.5-157				
Antimony	127	0.500	"	129		98.5	22.4-250				
Arsenic	86.0	1.00	"	88.4		97.3	69-131				
Barium	203	1.00	"	210		96.5	73.3-127				
Beryllium	55.2	0.100	"	55.8		98.9	73.1-127				
Cadmium	136	0.300	"	142		95.9	73.2-128				
Calcium	7530	5.00	"	7530		100	74.6-125				
Chromium	82.2	0.500	"	86.8		94.7	69.1-131				
Cobalt	198	0.500	"	199		99.3	74.4-126				
Copper	279	0.500	"	268		104	76.1-124				
Iron	12500	2.00	"	12800		97.8	31.6-168				
Lead	90.6	0.300	"	97.9		92.6	70.8-129				
Magnesium	2630	5.00	"	2850		92.3	65.3-135				
Manganese	421	0.500	"	425		99.2	76.2-124				
Nickel	244	0.500	"	236		104	74.2-128				
Potassium	2280	5.00	"	2570		88.7	61.1-139				
Selenium	130	1.00	"	127		102	66.6-134				
Silver	60.6	0.500	"	66.2		91.5	67.1-133				
Sodium	1080	10.0	"	1040		104	60.4-139				
Thallium	129	1.00	"	140		91.9	68.3-132				
Vanadium	149	1.00	"	156		95.5	71.8-129				
Zinc	121	1.00	"	161		75.3	66.9-133				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41050 - EPA 7473 soil											
Blank (BI41050-BLK1)									Prepared & Analyzed: 09/22/2014		
Mercury	ND	0.0300	mg/kg wet								
Reference (BI41050-SRM1)									Prepared & Analyzed: 09/22/2014		
Mercury	3.0279		mg/kg	3.73		81.2	68.6-131				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0802-02	SB-01 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I0802-04	SB-02 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I0802-06	SB-03 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I0802-10	TB-20140916	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
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).
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, INC.

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 unless superseded by written contract.

York Project No. 14I0802

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME [X]	SAME [X]	GQ14076.20	RUSH Same Day ___	Summary ___
Address: 24 Davis Ave	Name:	Name: Brenda		RUSH Next Day ___	QA/QC Summary X
Poughkeepsie, NY	Company:	Company:		RUSH Two Day ___	CT RCP Pkg ___
Phone no.: 845-452-1658	Address:	Address:	Purchase Order no.	RUSH Three Day ___	ASP A Pkg ___
Contact Person: Adam				RUSH Four Day ___	ASP B Pkg ___
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) ___	Excel ___
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY X NJ__	OTHER	EDD ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

A Atkinson
Name (printed)

Matrix Codes
S - soil
Other - specify (wipe, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB's only	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082 PCB	RCRA 8	TPH GRD	Pri Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081 Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151 Herb	TAL	CT ETPH	TAL Metals	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT 15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360 Water	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360 Sludge	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360 Soil	BTU/lb	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Ba	Air VPH	Part 360 Aqueous	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe	Air TICs	NYCRR Sewer	TOC	FOG	Total Solids
App. IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-01 (0-2')	9-16-2014	S	8270, 8081/8082, 6010/7471	(1) 4oz
SB-01 (11-13')			& 8260	(1) 4oz (1) VOA kit
SB-02 (0-2')				(1) 4oz
SB-02 (11-13')			& 8260	(1) 4oz (1) VOA kit
SB-03 (0-2')				(1) 4oz (1) VOA kit
SB-03 (11-13')			& 8260	(1) 4oz (1) VOA kit
SB-01-C			Hold	(1) 8oz
SB-02-C				
SB-03-C				
TB-20140916		TB		3x40ml VOA

Comments

Preservation "X" those applicable

Cool 4°C___ HNO3___ H2SO4___ NaOH___ NONE___ FROZEN___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	9-17-2014	Chris	9-17-14 10:00
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Grace	9-17-14 1845

Temperature on Receipt 3.8 °C

ANALYTICAL REPORT

Lab Number:	L1414375
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Umesh Shrestha
Phone:	(845) 452-1658
Project Name:	Not Specified
Project Number:	GQ14077
Report Date:	09/30/14

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1414375-01	S-SG-1	SOIL_VAPOR	Not Specified	06/26/14 13:50	06/27/14
L1414375-02	S-SG-2	SOIL_VAPOR	Not Specified	06/26/14 13:45	06/27/14
L1414375-03	S-SG-3	SOIL_VAPOR	Not Specified	06/26/14 14:37	06/27/14
L1414375-04	S-SG-4	SOIL_VAPOR	Not Specified	06/26/14 14:45	06/27/14

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Case Narrative (continued)

REISSUE

Report Submission

This report replaces the report previously issued on July 7, 2014. This report has been reissued to change the client IDs at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on June 24, 2014. The canister certification results are provided as an addendum.

Samples L1414375-01, -03, and -04 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Sample L1414375-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The sample designated SG-2 (L1414375-02) had a RPD for the pre- and post-flow controller calibration check (56% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 17.5 mL/minute; the final flow rate was 31.0 mL/minute. The final pressure recorded by the laboratory of the associated canister was -2.7 inches of mercury.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/30/14

AIR

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-01 D
Client ID: S-SG-1
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/01/14 23:18
Analyst: RY

Date Collected: 06/26/14 13:50
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	112	6.25	--	211	11.8	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	68.3	2.50	--	162	5.94	--		2.5
Trichlorofluoromethane	0.925	0.500	--	5.20	2.81	--		2.5
Isopropanol	2.16	1.25	--	5.31	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	1.60	1.25	--	4.85	3.79	--		2.5
Methylene chloride	ND	2.50	--	ND	8.69	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	1.24	0.500	--	3.86	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	5.42	0.500	--	16.0	1.47	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-01 D
Client ID: S-SG-1
Sample Location:

Date Collected: 06/26/14 13:50
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	2.31	0.500	--	6.81	1.47	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	60.4	0.500	--	213	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	1.49	0.500	--	4.76	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	3.86	0.500	--	13.3	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	0.650	0.500	--	3.49	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	2.01	0.500	--	8.24	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	1.26	0.500	--	4.75	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	ND	0.500	--	ND	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	2.00	0.500	--	8.69	2.17	--		2.5
p/m-Xylene	6.60	1.00	--	28.7	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-01 D
Client ID: S-SG-1
Sample Location:

Date Collected: 06/26/14 13:50
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	2.78	0.500	--	12.1	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	0.602	0.500	--	2.96	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	66		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	99		60-140

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-02 D
Client ID: S-SG-2
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/14 01:24
Analyst: RY

Date Collected: 06/26/14 13:45
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	48.6	--	ND	240	--		242.9
Chloromethane	ND	48.6	--	ND	100	--		242.9
Freon-114	ND	48.6	--	ND	340	--		242.9
Vinyl chloride	ND	48.6	--	ND	124	--		242.9
1,3-Butadiene	ND	48.6	--	ND	108	--		242.9
Bromomethane	ND	48.6	--	ND	189	--		242.9
Chloroethane	ND	48.6	--	ND	128	--		242.9
Ethanol	ND	607	--	ND	1140	--		242.9
Vinyl bromide	ND	48.6	--	ND	212	--		242.9
Acetone	3180	243	--	7550	577	--		242.9
Trichlorofluoromethane	ND	48.6	--	ND	273	--		242.9
Isopropanol	742	121	--	1820	297	--		242.9
1,1-Dichloroethene	ND	48.6	--	ND	193	--		242.9
Tertiary butyl Alcohol	ND	121	--	ND	367	--		242.9
Methylene chloride	ND	243	--	ND	844	--		242.9
3-Chloropropene	ND	48.6	--	ND	152	--		242.9
Carbon disulfide	ND	48.6	--	ND	151	--		242.9
Freon-113	ND	48.6	--	ND	373	--		242.9
trans-1,2-Dichloroethene	ND	48.6	--	ND	193	--		242.9
1,1-Dichloroethane	ND	48.6	--	ND	197	--		242.9
Methyl tert butyl ether	ND	48.6	--	ND	175	--		242.9
2-Butanone	ND	48.6	--	ND	143	--		242.9
cis-1,2-Dichloroethene	ND	48.6	--	ND	193	--		242.9
Ethyl Acetate	ND	121.	--	ND	436	--		242.9

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-02 D
Client ID: S-SG-2
Sample Location:

Date Collected: 06/26/14 13:45
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	48.6	--	ND	237	--		242.9
Tetrahydrofuran	ND	48.6	--	ND	143	--		242.9
1,2-Dichloroethane	ND	48.6	--	ND	197	--		242.9
n-Hexane	21400	48.6	--	75400	171	--		242.9
1,1,1-Trichloroethane	ND	48.6	--	ND	265	--		242.9
Benzene	ND	48.6	--	ND	155	--		242.9
Carbon tetrachloride	ND	48.6	--	ND	306	--		242.9
Cyclohexane	921	48.6	--	3170	167	--		242.9
1,2-Dichloropropane	ND	48.6	--	ND	225	--		242.9
Bromodichloromethane	ND	48.6	--	ND	326	--		242.9
1,4-Dioxane	ND	48.6	--	ND	175	--		242.9
Trichloroethene	123	48.6	--	661	261	--		242.9
2,2,4-Trimethylpentane	ND	48.6	--	ND	227	--		242.9
Heptane	414	48.6	--	1700	199	--		242.9
cis-1,3-Dichloropropene	ND	48.6	--	ND	221	--		242.9
4-Methyl-2-pentanone	ND	48.6	--	ND	199	--		242.9
trans-1,3-Dichloropropene	ND	48.6	--	ND	221	--		242.9
1,1,2-Trichloroethane	ND	48.6	--	ND	265	--		242.9
Toluene	ND	48.6	--	ND	183	--		242.9
2-Hexanone	ND	48.6	--	ND	199	--		242.9
Dibromochloromethane	ND	48.6	--	ND	414	--		242.9
1,2-Dibromoethane	ND	48.6	--	ND	373	--		242.9
Tetrachloroethene	ND	48.6	--	ND	330	--		242.9
Chlorobenzene	ND	48.6	--	ND	224	--		242.9
Ethylbenzene	508	48.6	--	2210	211	--		242.9
p/m-Xylene	1860	97.2	--	8080	422	--		242.9
Bromoform	ND	48.6	--	ND	502	--		242.9
Styrene	ND	48.6	--	ND	207	--		242.9

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-02 D
Client ID: S-SG-2
Sample Location:

Date Collected: 06/26/14 13:45
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	48.6	--	ND	334	--		242.9
o-Xylene	693	48.6	--	3010	211	--		242.9
4-Ethyltoluene	64.6	48.6	--	318	239	--		242.9
1,3,5-Trimethylbenzene	ND	48.6	--	ND	239	--		242.9
1,2,4-Trimethylbenzene	ND	48.6	--	ND	239	--		242.9
Benzyl chloride	ND	48.6	--	ND	252	--		242.9
1,3-Dichlorobenzene	ND	48.6	--	ND	292	--		242.9
1,4-Dichlorobenzene	ND	48.6	--	ND	292	--		242.9
1,2-Dichlorobenzene	ND	48.6	--	ND	292	--		242.9
1,2,4-Trichlorobenzene	ND	48.6	--	ND	361	--		242.9
Hexachlorobutadiene	ND	48.6	--	ND	518	--		242.9

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	123		60-140

Project Name: **Lab Number:** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-03 D
Client ID: S-SG-3
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/01/14 23:49
Analyst: RY

Date Collected: 06/26/14 14:37
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	214	12.5	--	403	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	46.6	5.00	--	111	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	10.6	2.50	--	26.1	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	14.3	2.50	--	43.4	7.58	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.96	1.00	--	6.10	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	9.20	1.00	--	27.1	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-03 D
Client ID: S-SG-3
Sample Location:

Date Collected: 06/26/14 14:37
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	2.78	1.00	--	8.20	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	3.35	1.00	--	11.8	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	3.10	1.00	--	9.90	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.43	1.00	--	4.92	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	1.96	1.00	--	7.06	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	1.57	1.00	--	6.43	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	21.5	1.00	--	81.0	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5
p/m-Xylene	ND	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-03 D
Client ID: S-SG-3
Sample Location:

Date Collected: 06/26/14 14:37
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	87		60-140

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-04 D
Client ID: S-SG-4
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/14 00:21
Analyst: RY

Date Collected: 06/26/14 14:45
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	84.4	12.5	--	159	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	79.6	5.00	--	189	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	23.6	2.50	--	58.0	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	8.76	2.50	--	26.6	7.58	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.43	1.00	--	4.45	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	6.76	1.00	--	19.9	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-04 D
Client ID: S-SG-4
Sample Location:

Date Collected: 06/26/14 14:45
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	7.12	1.00	--	25.1	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.68	1.00	--	5.37	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.14	1.00	--	3.92	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	4.02	1.00	--	15.1	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	6.78	1.00	--	46.0	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5
p/m-Xylene	ND	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: ***Lab Number:*** L1414375

Project Number: GQ14077 ***Report Date:*** 09/30/14

SAMPLE RESULTS

Lab ID: L1414375-04 D
Client ID: S-SG-4
Sample Location:

Date Collected: 06/26/14 14:45
Date Received: 06/27/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	93		60-140

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/14 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG702570-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: Not Specified
Project Number: GQ14077
Lab Number: L1414375
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/14 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG702570-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/01/14 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG702570-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG702570-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	78		-		70-130	-		
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	110		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	95		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	105		-		70-130	-		
Ethyl Alcohol	97		-		70-130	-		
Dichlorofluoromethane	102		-		70-130	-		
Vinyl bromide	107		-		70-130	-		
Acrolein	94		-		70-130	-		
Acetone	112		-		70-130	-		
Acetonitrile	90		-		70-130	-		
Trichlorofluoromethane	122		-		70-130	-		
iso-Propyl Alcohol	103		-		70-130	-		
Acrylonitrile	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG702570-3								
Pentane	92		-		70-130	-		
Ethyl ether	93		-		70-130	-		
1,1-Dichloroethene	112		-		70-130	-		
tert-Butyl Alcohol	111		-		70-130	-		
Methylene chloride	104		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	107		-		70-130	-		
Methyl tert butyl ether	110		-		70-130	-		
Vinyl acetate	114		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	117		-		70-130	-		
Ethyl Acetate	102		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	109		-		70-130	-		
1,2-Dichloroethane	114		-		70-130	-		
n-Hexane	87		-		70-130	-		
Isopropyl Ether	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG702570-3								
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		
1,1,1-Trichloroethane	110		-		70-130	-		
1,1-Dichloropropene	96		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	102		-		70-130	-		
1,4-Dioxane	89		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	89		-		70-130	-		
Methyl methacrylate	92		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	94		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	95		-		70-130	-		
1,3-Dichloropropane	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: GQ14077

Lab Number: L1414375

Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG702570-3								
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	97		-		70-130	-		
Octane	88		-		70-130	-		
Tetrachloroethene	103		-		70-130	-		
1,1,1,2-Tetrachloroethane	99		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	105		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,2,3-Trichloropropane	90		-		70-130	-		
Nonane (C9)	89		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	97		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: GQ14077

Lab Number: L1414375

Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG702570-3								
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
tert-Butylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Decane (C10)	92		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	104		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	124		-		70-130	-		
1,2,4-Trichlorobenzene	129		-		70-130	-		
Naphthalene	112		-		70-130	-		
1,2,3-Trichlorobenzene	115		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG702570-5 QC Sample: L1414373-04 Client ID: DUP Sample						
Dichlorodifluoromethane	0.507	0.342	ppbV	**39**	Q	25
Chloromethane	0.641	0.580	ppbV	10		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	7.15	6.94	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	6.28	6.17	ppbV	2		25
Trichlorofluoromethane	0.314	0.304	ppbV	3		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	2.01	2.02	ppbV	0		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG702570-5 QC Sample: L1414373-04 Client ID: DUP Sample					
2-Butanone	0.319	0.368	ppbV	14	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.518	0.545	ppbV	5	25
Benzene	0.209	0.244	ppbV	15	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	12.1	12.7	ppbV	5	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG702570-5 QC Sample: L1414373-04 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name:

Lab Number: L1414375

Project Number: GQ14077

Report Date: 09/30/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1414375-01	S-SG-1	0490	#30 SV	06/24/14	104494		-	-	-	Pass	18.0	20.0	11
L1414375-01	S-SG-1	548	2.7L Can	06/24/14	104494	L1413545-01	Pass	-30.0	-8.4	-	-	-	-
L1414375-02	S-SG-2	0061	#30 SV	06/24/14	104494		-	-	-	Pass	17.5	31.0	56
L1414375-02	S-SG-2	187	2.7L Can	06/24/14	104494	L1413545-01	Pass	-30.0	-2.7	-	-	-	-
L1414375-03	S-SG-3	0593	#30 SV	06/24/14	104494		-	-	-	Pass	17.4	18.8	8
L1414375-03	S-SG-3	495	2.7L Can	06/24/14	104494	L1413545-01	Pass	-30.0	-9.4	-	-	-	-
L1414375-04	S-SG-4	0401	#16 SV	06/24/14	104494		-	-	-	Pass	18.0	18.3	2
L1414375-04	S-SG-4	466	2.7L Can	06/24/14	104494	L1413545-01	Pass	-29.8	-9.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/20/14 17:02
Analyst: RY

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:
Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/20/14 17:02
Analyst: RY

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:

Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1413545
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1413545-01
Client ID: CAN 195 SHELF 8
Sample Location:
Date Collected: 06/19/14 14:49
Date Received: 06/20/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: Not Specified
Project Number: GQ14077

Lab Number: L1414375
Report Date: 09/30/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1414375-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1414375-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1414375-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1414375-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1414375
Project Number:	GQ14077	**Report Date:**	09/30/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	Not Specified	**Lab Number:**	L1414375
Project Number:	GQ14077	**Report Date:**	09/30/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:09301412:55

AIR ANALYSIS

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1414375

Client Information

Client: ESI
Address: 24 Davis Ave
Poughkeepsie, NY
Phone: 845 452 1658
Fax:
Email: mail@ecosystemsstrategies.com

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location:
Project #: GQ14077
Project Manager: Umesh Shrestha
ALPHA Quote #:

Turn-Around Time

☒ Standard ❑ RUSH *(only confirmed if pre-approved!)*

Date Due: 7/9/14 Time:

Report Information - Data Deliverables

❑ FAX
❑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
❑ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

❑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
14375-01	SG-1	6/26/14	1208	1350	-30.30	-8.40	SV	US	2.7 L	548	0490		X						
-02	SG-2	↓	1227	1345	-30.27	-2.03	SV	US	↓	187	0061		X						
-03	SG-3	↓	1247	1437	-29.65	-9.41	SV	US	↓	495	0593		X						
-04	SG-4	↓	1250	1445	-30.04	-9.26	SV	US	↓	466	0401		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	6/27/14 1326	[signature] AAL	6-27-14 1326
[signature]	6-27-14 1955	Tom Cohen	6-27-14 1955
Tom Cohen	6-27-14	[signature]	6-27-14

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

Form No: 101-02 (19-Jan-09)

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Report Date: 10/03/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14I1096

Report Date: 10/03/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14I1096

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

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 September 26, 2014 and listed below. The project was identified as your project: **GQ14076.20**.

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
14I1096-01	MW-1 (0-2')	Soil	09/25/2014	09/26/2014
14I1096-02	MW-2 (0-2')	Soil	09/25/2014	09/26/2014
14I1096-03	MW-3 (0-2')	Soil	09/25/2014	09/26/2014
14I1096-04	SB-04 (0-2')	Soil	09/25/2014	09/26/2014
14I1096-05	MW-1 (11-13')	Soil	09/25/2014	09/26/2014
14I1096-06	MW-2 (11-13')	Soil	09/25/2014	09/26/2014
14I1096-07	MW-3 (11-13')	Soil	09/25/2014	09/26/2014
14I1096-08	SB-04 (11-13')	Soil	09/25/2014	09/26/2014
14I1096-09	TB-20140925	Water	09/25/2014	09/26/2014

General Notes for York Project (SDG) No.: 14I1096

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: 10/03/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-1 (0-2')** **York Sample ID:** **14I1096-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
62-53-3	Aniline	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
120-12-7	Anthracene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
218-01-9	Chrysene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	2630	5250	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	2630	5260	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH

Sample Information

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

York Sample ID: 14I1096-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
206-44-0	Fluoranthene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
86-73-7	Fluorene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
78-59-1	Isophorone	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
91-20-3	Naphthalene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	1320	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
85-01-8	Phenanthrene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
108-95-2	Phenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
129-00-0	Pyrene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
110-86-1	Pyridine	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	662	2630	10	EPA 8270D	10/02/2014 15:00	10/03/2014 15:26	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*34.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*49.1 %*	*10-118*

Sample Information

Client Sample ID: MW-1 (0-2') **York Sample ID:** 14I1096-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*30.9 %*			*10-140*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.0 %*			*10-126*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*23.2 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*62.4 %*			*10-137*						

Pesticides, 8081 target list

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
57-74-9	Chlordane, total	ND		ug/kg dry	69.4	69.4	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.67	8.67	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.8	87.8	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:10	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.7 %*	*30-140*

Sample Information

Client Sample ID: **MW-1 (0-2')** **York Sample ID:** **14I1096-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:30	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.0 %*	*30-140*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8200**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-36-0	Antimony	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-38-2	**Arsenic**	**4.70**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-39-3	**Barium**	**99.0**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.315	0.315	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-70-2	**Calcium**	**12900**		mg/kg dry	0.526	5.26	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-47-3	**Chromium**	**17.4**		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-48-4	**Cobalt**	**7.38**		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-50-8	**Copper**	**72.4**		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7439-89-6	**Iron**	**16400**		mg/kg dry	2.10	2.10	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7439-92-1	**Lead**	**157**		mg/kg dry	0.315	0.315	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7439-95-4	**Magnesium**	**4220**		mg/kg dry	5.26	5.26	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7439-96-5	**Manganese**	**330**		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-02-0	**Nickel**	**20.3**		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-09-7	**Potassium**	**1670**		mg/kg dry	5.26	5.26	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7782-49-2	Selenium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-22-4	Silver	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-23-5	**Sodium**	**211**		mg/kg dry	10.5	10.5	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW
7440-62-2	**Vanadium**	**27.2**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW

Sample Information

Client Sample ID: MW-1 (0-2') **York Sample ID:** 14I1096-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**678**		mg/kg dry	1.05	1.05	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:12	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.147**		mg/kg dry	0.0315	0.0315	1	EPA 7473	10/01/2014 07:06	10/01/2014 10:40	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.1**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:01	10/03/2014 17:08	PAM

Sample Information

Client Sample ID: MW-2 (0-2') **York Sample ID:** 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3545A

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**	**378**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
62-53-3	Aniline	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
120-12-7	**Anthracene**	**671**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
56-55-3	**Benzo(a)anthracene**	**1550**		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
50-32-8	**Benzo(a)pyrene**	**882**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
205-99-2	**Benzo(b)fluoranthene**	**748**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
207-08-9	**Benzo(k)fluoranthene**	**1020**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR

Sample Information

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

York Sample ID: 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
218-01-9	**Chrysene**	**1670**		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1330	2660	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1330	2660	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
206-44-0	**Fluoranthene**	**3690**		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
86-73-7	Fluorene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**413**	J	ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
78-59-1	Isophorone	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR

Sample Information

Client Sample ID: MW-2 (0-2') **York Sample ID:** 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	671	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
85-01-8	**Phenanthrene**	**3160**		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
108-95-2	Phenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
129-00-0	**Pyrene**	**3210**		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
110-86-1	Pyridine	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	336	1330	5	EPA 8270D	10/02/2014 15:00	10/03/2014 12:42	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*20.9 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*49.5 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*28.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.5 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*34.4 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.0 %*	*10-137*

Sample Information

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

York Sample ID: 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.3	70.3	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.79	8.79	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.0	89.0	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:09	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*101 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.4 %*	*30-140*

Sample Information

Client Sample ID: MW-2 (0-2') **York Sample ID:** 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/02/2014 05:43	10/02/2014 17:59	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*68.0 %*	*30-140*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8830**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-36-0	Antimony	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-38-2	**Arsenic**	**6.03**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-39-3	**Barium**	**128**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.320	0.320	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-70-2	**Calcium**	**6820**		mg/kg dry	0.533	5.33	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-47-3	**Chromium**	**15.1**		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-48-4	**Cobalt**	**7.66**		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-50-8	**Copper**	**48.1**		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7439-89-6	**Iron**	**22800**		mg/kg dry	2.13	2.13	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7439-92-1	**Lead**	**322**		mg/kg dry	0.320	0.320	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7439-95-4	**Magnesium**	**3470**		mg/kg dry	5.33	5.33	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7439-96-5	**Manganese**	**335**		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-02-0	**Nickel**	**20.6**		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-09-7	**Potassium**	**1640**		mg/kg dry	5.33	5.33	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-22-4	Silver	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-23-5	**Sodium**	**169**		mg/kg dry	10.7	10.7	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW
7440-62-2	**Vanadium**	**30.3**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW

Sample Information

Client Sample ID: MW-2 (0-2') **York Sample ID:** 14I1096-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**230**		mg/kg dry	1.07	1.07	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:16	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.176**		mg/kg dry	0.0320	0.0320	1	EPA 7473	10/01/2014 07:06	10/01/2014 10:49	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.9**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:01	10/03/2014 17:08	PAM

Sample Information

Client Sample ID: MW-3 (0-2') **York Sample ID:** 14I1096-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3545A

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**	**1280**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
208-96-8	**Acenaphthylene**	**339**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
62-53-3	Aniline	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
120-12-7	**Anthracene**	**2590**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
56-55-3	**Benzo(a)anthracene**	**4200**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
50-32-8	**Benzo(a)pyrene**	**1990**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
205-99-2	**Benzo(b)fluoranthene**	**1520**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
191-24-2	**Benzo(g,h,i)perylene**	**1050**	IS-LO, J	ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
207-08-9	**Benzo(k)fluoranthene**	**2300**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR

Sample Information

Client Sample ID: **MW-3 (0-2')** **York Sample ID:** **14I1096-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
218-01-9	**Chrysene**	**5760**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
53-70-3	**Dibenzo(a,h)anthracene**	**599**	IS-LO, J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
132-64-9	**Dibenzofuran**	**704**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1350	2680	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1350	2690	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
206-44-0	**Fluoranthene**	**11300**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
86-73-7	**Fluorene**	**976**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1060**	IS-LO, J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
78-59-1	Isophorone	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
91-57-6	**2-Methylnaphthalene**	**390**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR

Sample Information

Client Sample ID: MW-3 (0-2') **York Sample ID:** 14I1096-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**586**	J	ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	677	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
85-01-8	**Phenanthrene**	**11700**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
108-95-2	Phenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
129-00-0	**Pyrene**	**10600**		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
110-86-1	Pyridine	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	339	1340	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:44	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*14.7 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*42.9 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*22.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.7 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*30.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*62.5 %*	*10-137*

Sample Information

Client Sample ID: MW-3 (0-2') **York Sample ID:** 14I1096-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
72-55-9	**4,4'-DDE**	**1.94**		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
50-29-3	**4,4'-DDT**	**8.80**		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
309-00-2	Aldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.0	71.0	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
72-20-8	Endrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.87	8.87	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.8	89.8	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:42	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.8 %*	*30-140*

Sample Information

Client Sample ID: **MW-3 (0-2')** **York Sample ID:** **14I1096-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	10/02/2014 05:43	10/02/2014 18:58	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.0 %*	*30-140*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7400**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-36-0	Antimony	ND		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-38-2	**Arsenic**	**4.59**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-39-3	**Barium**	**137**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.323	0.323	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-70-2	**Calcium**	**10700**		mg/kg dry	0.538	5.38	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-47-3	**Chromium**	**18.2**		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-48-4	**Cobalt**	**8.56**		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-50-8	**Copper**	**53.0**		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7439-89-6	**Iron**	**18600**		mg/kg dry	2.15	2.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7439-92-1	**Lead**	**149**		mg/kg dry	0.323	0.323	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7439-95-4	**Magnesium**	**3670**		mg/kg dry	5.38	5.38	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7439-96-5	**Manganese**	**268**		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-02-0	**Nickel**	**19.4**		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-09-7	**Potassium**	**1800**		mg/kg dry	5.38	5.38	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7782-49-2	Selenium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.538	0.538	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-23-5	**Sodium**	**170**		mg/kg dry	10.8	10.8	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW
7440-62-2	**Vanadium**	**28.7**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW

Sample Information

Client Sample ID: MW-3 (0-2') **York Sample ID:** 14I1096-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**168**		mg/kg dry	1.08	1.08	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:21	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.227**		mg/kg dry	0.0323	0.0323	1	EPA 7473	10/01/2014 07:06	10/01/2014 10:58	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.0**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:01	10/03/2014 17:08	PAM

Sample Information

Client Sample ID: SB-04 (0-2') **York Sample ID:** 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3545A

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	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
62-53-3	Aniline	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
120-12-7	**Anthracene**	**453**	J	ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
56-55-3	**Benzo(a)anthracene**	**2270**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
50-32-8	**Benzo(a)pyrene**	**2270**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
205-99-2	**Benzo(b)fluoranthene**	**1920**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
191-24-2	**Benzo(g,h,i)perylene**	**1550**		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
207-08-9	**Benzo(k)fluoranthene**	**1890**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH

Sample Information

Client Sample ID: SB-04 (0-2')

York Sample ID: 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
218-01-9	**Chrysene**	**2150**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
53-70-3	**Dibenzo(a,h)anthracene**	**615**	J	ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1400	2790	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1400	2790	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
206-44-0	**Fluoranthene**	**3270**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
86-73-7	Fluorene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1340**	J	ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
78-59-1	Isophorone	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH

Sample Information

Client Sample ID: SB-04 (0-2')

York Sample ID: 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	704	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
85-01-8	**Phenanthrene**	**1050**	J	ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
108-95-2	Phenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
129-00-0	**Pyrene**	**3100**		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
110-86-1	Pyridine	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	352	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:26	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*28.9 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*47.4 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*23.2 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*48.3 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*43.0 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*66.2 %*	*10-137*

Sample Information

Client Sample ID: SB-04 (0-2')

York Sample ID: 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	73.8	73.8	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.22	9.22	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW
8001-35-2	Toxaphene	ND		ug/kg dry	93.3	93.3	5	EPA 8081B	10/02/2014 05:43	10/03/2014 13:58	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.3 %*	*30-140*

Sample Information

Client Sample ID: SB-04 (0-2')

York Sample ID: 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:27	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10200**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-36-0	Antimony	ND		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-38-2	**Arsenic**	**3.08**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-39-3	**Barium**	**77.8**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.335	0.335	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-70-2	**Calcium**	**3690**		mg/kg dry	0.559	5.59	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-48-4	**Cobalt**	**8.06**		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-50-8	**Copper**	**23.8**		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7439-89-6	**Iron**	**15000**		mg/kg dry	2.24	2.24	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7439-92-1	**Lead**	**105**		mg/kg dry	0.335	0.335	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7439-95-4	**Magnesium**	**3230**		mg/kg dry	5.59	5.59	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7439-96-5	**Manganese**	**264**		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-02-0	**Nickel**	**18.6**		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-09-7	**Potassium**	**2020**		mg/kg dry	5.59	5.59	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7782-49-2	Selenium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.559	0.559	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-23-5	**Sodium**	**336**		mg/kg dry	11.2	11.2	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW
7440-62-2	**Vanadium**	**23.3**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW

Sample Information

Client Sample ID: SB-04 (0-2') **York Sample ID:** 14I1096-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**99.0**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:26	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.135**		mg/kg dry	0.0335	0.0335	1	EPA 7473	10/01/2014 07:06	10/01/2014 11:08	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:01	10/03/2014 17:08	PAM

Sample Information

Client Sample ID: MW-1 (11-13') **York Sample ID:** 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
95-63-6	**1,2,4-Trimethylbenzene**	**500**	J	ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	10000	21000	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
78-93-3	2-Butanone	ND		ug/kg dry	520	1000	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
67-64-1	Acetone	ND		ug/kg dry	520	1000	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
71-43-2	**Benzene**	**760**		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
108-86-1	Bromobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-25-2	Bromoform	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
74-83-9	Bromomethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-00-3	Chloroethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
67-66-3	Chloroform	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
74-87-3	Chloromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
74-95-3	Dibromomethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-09-2	Methylene chloride	ND		ug/kg dry	520	1000	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**52000**	CCV-E	ug/kg dry	1300	5200	500	EPA 8260C	10/02/2014 17:15	10/03/2014 10:34	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
95-47-6	o-Xylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
179601-23-1	**p- & m- Xylenes**	**690**	J	ug/kg dry	520	1000	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
100-42-5	Styrene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
108-88-3	**Toluene**	**370**	J	ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
1330-20-7	**Xylenes, Total**	**940**	J	ug/kg dry	790	1600	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	260	520	100	EPA 8260C	10/02/2014 17:15	10/03/2014 04:32	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.8 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

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**	**148000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
208-96-8	**Acenaphthylene**	**166000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
62-53-3	Aniline	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
120-12-7	**Anthracene**	**266000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
56-55-3	**Benzo(a)anthracene**	**145000**	J	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
50-32-8	**Benzo(a)pyrene**	**60300**	J	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
205-99-2	**Benzo(b)fluoranthene**	**47500**	J	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
207-08-9	**Benzo(k)fluoranthene**	**71900**	J	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
218-01-9	**Chrysene**	**171000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
132-64-9	**Dibenzofuran**	**204000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	145000	289000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	145000	290000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
206-44-0	**Fluoranthene**	**555000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
86-73-7	**Fluorene**	**241000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
78-59-1	Isophorone	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	**2-Methylnaphthalene**	**244000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
91-20-3	**Naphthalene**	**1290000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	73000	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
85-01-8	**Phenanthrene**	**919000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
108-95-2	Phenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
129-00-0	**Pyrene**	**462000**		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
110-86-1	Pyridine	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	36500	145000	500	EPA 8270D	10/02/2014 15:00	10/03/2014 15:15	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*%*	S-06	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*6.66 %*	S-06	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*%*	S-06	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*%*	S-06	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*%*	S-06	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*%*	S-06	*10-137*

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
309-00-2	Aldrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
57-74-9	Chlordane, total	ND		ug/kg dry	76.5	76.5	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
72-20-8	Endrin	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.91	1.91	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.56	9.56	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW
8001-35-2	Toxaphene	ND		ug/kg dry	96.8	96.8	5	EPA 8081B	10/02/2014 05:43	10/03/2014 14:14	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.9 %*	*30-140*

Sample Information

Client Sample ID: MW-1 (11-13')

York Sample ID: 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0193	0.0193	1	EPA 8082A	10/02/2014 05:43	10/02/2014 19:56	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2580**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-36-0	**Antimony**	**1.24**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-38-2	**Arsenic**	**44.7**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-39-3	**Barium**	**79.7**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.348	0.348	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-70-2	**Calcium**	**5900**		mg/kg dry	0.580	5.80	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-47-3	**Chromium**	**7.62**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-48-4	**Cobalt**	**5.34**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-50-8	**Copper**	**22.4**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7439-89-6	**Iron**	**17700**		mg/kg dry	2.32	2.32	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7439-92-1	**Lead**	**68.0**		mg/kg dry	0.348	0.348	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7439-95-4	**Magnesium**	**1580**		mg/kg dry	5.80	5.80	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7439-96-5	**Manganese**	**159**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-02-0	**Nickel**	**14.2**		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-09-7	**Potassium**	**348**		mg/kg dry	5.80	5.80	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7782-49-2	**Selenium**	**1.20**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-22-4	Silver	ND		mg/kg dry	0.580	0.580	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-23-5	**Sodium**	**136**		mg/kg dry	11.6	11.6	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW
7440-62-2	**Vanadium**	**11.2**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW

Sample Information

Client Sample ID: MW-1 (11-13') **York Sample ID:** 14I1096-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**466**		mg/kg dry	1.16	1.16	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:30	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.401**		mg/kg dry	0.0348	0.0348	1	EPA 7473	10/01/2014 07:06	10/01/2014 11:17	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.3**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:05	10/03/2014 17:17	PAM

Sample Information

Client Sample ID: MW-2 (11-13') **York Sample ID:** 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	80	160	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
78-93-3	2-Butanone	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
67-64-1	**Acetone**	**32**		ug/kg dry	4.0	8.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**8.3**	CCV-E	ug/kg dry	2.0	8.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.0	12	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	10/02/2014 17:15	10/03/2014 05:16	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

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	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
62-53-3	Aniline	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
120-12-7	Anthracene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
218-01-9	Chrysene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	288	573	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	288	574	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
206-44-0	**Fluoranthene**	**127**	J	ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
86-73-7	Fluorene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
91-20-3	**Naphthalene**	**386**		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	145	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
85-01-8	**Phenanthrene**	**172**	J	ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
108-95-2	Phenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
129-00-0	**Pyrene**	**107**	J	ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
110-86-1	Pyridine	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	72.3	287	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:27	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*57.2 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*58.8 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*59.9 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.2 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*54.1 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*68.8 %*	*10-137*

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
309-00-2	Aldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
57-74-9	Chlordane, total	ND		ug/kg dry	75.8	75.8	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
72-20-8	Endrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.47	9.47	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW
8001-35-2	Toxaphene	ND		ug/kg dry	95.9	95.9	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:25	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*111 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*92.9 %*	*30-140*

Sample Information

Client Sample ID: MW-2 (11-13')

York Sample ID: 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6500**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-36-0	Antimony	ND		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-38-2	**Arsenic**	**2.14**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-39-3	**Barium**	**44.1**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.344	0.344	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-70-2	**Calcium**	**1720**		mg/kg dry	0.574	5.74	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-47-3	**Chromium**	**13.1**		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-48-4	**Cobalt**	**4.91**		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-50-8	**Copper**	**23.2**		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7439-89-6	**Iron**	**11000**		mg/kg dry	2.30	2.30	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7439-92-1	**Lead**	**37.2**		mg/kg dry	0.344	0.344	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7439-95-4	**Magnesium**	**1650**		mg/kg dry	5.74	5.74	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7439-96-5	**Manganese**	**106**		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-02-0	**Nickel**	**11.4**		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-09-7	**Potassium**	**841**		mg/kg dry	5.74	5.74	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-22-4	Silver	ND		mg/kg dry	0.574	0.574	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-23-5	**Sodium**	**150**		mg/kg dry	11.5	11.5	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW
7440-62-2	**Vanadium**	**18.7**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW

Sample Information

Client Sample ID: MW-2 (11-13') **York Sample ID:** 14I1096-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**88.9**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:35	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0945**		mg/kg dry	0.0344	0.0344	1	EPA 7473	10/01/2014 07:06	10/01/2014 11:26	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.1**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:05	10/03/2014 17:17	PAM

Sample Information

Client Sample ID: MW-3 (11-13') **York Sample ID:** 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	87	170	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
78-93-3	2-Butanone	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
67-64-1	**Acetone**	**34**		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**3.8**	CCV-E, J	ug/kg dry	2.2	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:00	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.6 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

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	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
62-53-3	Aniline	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
120-12-7	Anthracene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
218-01-9	Chrysene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1410	2800	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1410	2810	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
206-44-0	Fluoranthene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
86-73-7	Fluorene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
91-20-3	**Naphthalene**	**1490**		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	707	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
85-01-8	Phenanthrene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
108-95-2	Phenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
129-00-0	Pyrene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
110-86-1	Pyridine	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	354	1400	5	EPA 8270D	10/02/2014 15:00	10/03/2014 14:56	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*66.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*71.6 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.8 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*70.9 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*44.8 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*70.7 %*	*10-137*

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
309-00-2	Aldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
57-74-9	Chlordane, total	ND		ug/kg dry	74.1	74.1	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
72-20-8	Endrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.26	9.26	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW
8001-35-2	Toxaphene	ND		ug/kg dry	93.7	93.7	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:41	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*109 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*95.5 %*	*30-140*

Sample Information

Client Sample ID: MW-3 (11-13')

York Sample ID: 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	10/02/2014 05:43	10/02/2014 20:54	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*96.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8750**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-38-2	**Arsenic**	**1.98**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-39-3	**Barium**	**102**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.337	0.337	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-70-2	**Calcium**	**1130**		mg/kg dry	0.561	5.61	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-47-3	**Chromium**	**20.5**		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-48-4	**Cobalt**	**7.18**		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-50-8	**Copper**	**11.5**		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7439-89-6	**Iron**	**16700**		mg/kg dry	2.25	2.25	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7439-92-1	**Lead**	**6.23**		mg/kg dry	0.337	0.337	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7439-95-4	**Magnesium**	**2880**		mg/kg dry	5.61	5.61	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7439-96-5	**Manganese**	**188**		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-02-0	**Nickel**	**13.5**		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-09-7	**Potassium**	**3560**		mg/kg dry	5.61	5.61	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7782-49-2	Selenium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.561	0.561	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-23-5	**Sodium**	**155**		mg/kg dry	11.2	11.2	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW
7440-62-2	**Vanadium**	**27.2**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW

Sample Information

Client Sample ID: MW-3 (11-13') **York Sample ID:** 14I1096-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**70.1**		mg/kg dry	1.12	1.12	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:52	MW

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	0.0337	1	EPA 7473	10/01/2014 07:06	10/01/2014 11:35	ALD

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.1**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:05	10/03/2014 17:17	PAM

Sample Information

Client Sample ID: SB-04 (11-13') **York Sample ID:** 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	87	170	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
78-93-3	**2-Butanone**	**38**	Cal-E, CCV-E	ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
67-64-1	**Acetone**	**130**		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/02/2014 17:15	10/03/2014 06:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.7 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*85-120*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

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	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
62-53-3	Aniline	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
120-12-7	Anthracene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
218-01-9	Chrysene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	289	575	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	289	576	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
206-44-0	Fluoranthene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
86-73-7	Fluorene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
78-59-1	Isophorone	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
91-20-3	**Naphthalene**	**139**	J	ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	145	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
85-01-8	Phenanthrene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
108-95-2	Phenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
129-00-0	Pyrene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
110-86-1	Pyridine	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	72.6	288	1	EPA 8270D	10/02/2014 15:00	10/03/2014 07:58	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*41.2 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*42.9 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.8 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.1 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*57.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.9 %*	*10-137*

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
57-74-9	Chlordane, total	ND		ug/kg dry	76.0	76.0	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.50	9.50	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW
8001-35-2	Toxaphene	ND		ug/kg dry	96.2	96.2	5	EPA 8081B	10/02/2014 05:43	10/02/2014 13:56	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*120 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*106 %*	*30-140*

Sample Information

Client Sample ID: SB-04 (11-13')

York Sample ID: 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	10/02/2014 05:43	10/02/2014 21:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*105 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.0 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9530**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-36-0	Antimony	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-38-2	**Arsenic**	**2.17**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-39-3	**Barium**	**54.2**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.346	0.346	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-70-2	**Calcium**	**1040**		mg/kg dry	0.576	5.76	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-47-3	**Chromium**	**14.1**		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-48-4	**Cobalt**	**6.51**		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-50-8	**Copper**	**16.3**		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7439-89-6	**Iron**	**14100**		mg/kg dry	2.30	2.30	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7439-92-1	**Lead**	**8.26**		mg/kg dry	0.346	0.346	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7439-95-4	**Magnesium**	**2320**		mg/kg dry	5.76	5.76	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7439-96-5	**Manganese**	**353**		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-02-0	**Nickel**	**16.3**		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-09-7	**Potassium**	**1070**		mg/kg dry	5.76	5.76	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-23-5	**Sodium**	**182**		mg/kg dry	11.5	11.5	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW

Sample Information

Client Sample ID: SB-04 (11-13') **York Sample ID:** 14I1096-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Soil	September 25, 2014 3:00 pm	09/26/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**24.1**		mg/kg dry	1.15	1.15	1	EPA 6010C	09/30/2014 15:23	09/30/2014 20:57	MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0346	0.0346	1	EPA 7473	10/01/2014 07:06	10/01/2014 11:44	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**	**86.8**		%	0.100	0.100	1	SM 2540G	10/02/2014 18:05	10/03/2014 17:17	PAM

Sample Information

Client Sample ID: TB-20140925 **York Sample ID:** 14I1096-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Water	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS

Sample Information

Client Sample ID: TB-20140925 **York Sample ID:** 14I1096-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Water	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS

Sample Information

Client Sample ID: TB-20140925 **York Sample ID:** 14I1096-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I1096	GQ14076.20	Water	September 25, 2014 3:00 pm	09/26/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	10/03/2014 08:15	10/03/2014 13:12	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*65-135*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*81-114*
2037-26-5	*Surrogate: Toluene-d8*	*97.2 %*	*86-118*

Analytical Batch Summary

Batch ID: BI41552 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-01	MW-1 (0-2')	09/30/14
14I1096-02	MW-2 (0-2')	09/30/14
14I1096-03	MW-3 (0-2')	09/30/14
14I1096-04	SB-04 (0-2')	09/30/14
14I1096-05	MW-1 (11-13')	09/30/14
14I1096-06	MW-2 (11-13')	09/30/14
14I1096-07	MW-3 (11-13')	09/30/14
14I1096-08	SB-04 (11-13')	09/30/14
BI41552-BLK1	Blank	09/30/14
BI41552-SRM1	Reference	09/30/14

Batch ID: BJ40006 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-01	MW-1 (0-2')	10/01/14
14I1096-02	MW-2 (0-2')	10/01/14
14I1096-03	MW-3 (0-2')	10/01/14
14I1096-04	SB-04 (0-2')	10/01/14
14I1096-05	MW-1 (11-13')	10/01/14
14I1096-06	MW-2 (11-13')	10/01/14
14I1096-07	MW-3 (11-13')	10/01/14
14I1096-08	SB-04 (11-13')	10/01/14
BJ40006-BLK1	Blank	10/01/14
BJ40006-SRM1	Reference	10/01/14

Batch ID: BJ40081 **Preparation Method:** EPA 3550C **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-01	MW-1 (0-2')	10/02/14
14I1096-01	MW-1 (0-2')	10/02/14
14I1096-02	MW-2 (0-2')	10/02/14
14I1096-02	MW-2 (0-2')	10/02/14
14I1096-03	MW-3 (0-2')	10/02/14
14I1096-03	MW-3 (0-2')	10/02/14
14I1096-04	SB-04 (0-2')	10/02/14
14I1096-04	SB-04 (0-2')	10/02/14
14I1096-05	MW-1 (11-13')	10/02/14
14I1096-05	MW-1 (11-13')	10/02/14
14I1096-06	MW-2 (11-13')	10/02/14
14I1096-06	MW-2 (11-13')	10/02/14
14I1096-07	MW-3 (11-13')	10/02/14
14I1096-07	MW-3 (11-13')	10/02/14
14I1096-08	SB-04 (11-13')	10/02/14
14I1096-08	SB-04 (11-13')	10/02/14
BJ40081-BLK1	Blank	10/02/14

BJ40081-BLK1	Blank	10/02/14
BJ40081-BS1	LCS	10/02/14
BJ40081-BS2	LCS	10/02/14
BJ40081-BSD1	LCS Dup	10/02/14
BJ40081-BSD2	LCS Dup	10/02/14
BJ40081-MS1	Matrix Spike	10/02/14
BJ40081-MS2	Matrix Spike	10/02/14

Batch ID: BJ40108 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-01	MW-1 (0-2')	10/02/14
14I1096-02	MW-2 (0-2')	10/02/14
14I1096-03	MW-3 (0-2')	10/02/14
14I1096-04	SB-04 (0-2')	10/02/14
14I1096-05	MW-1 (11-13')	10/02/14
14I1096-06	MW-2 (11-13')	10/02/14
14I1096-07	MW-3 (11-13')	10/02/14
14I1096-08	SB-04 (11-13')	10/02/14
BJ40108-BLK1	Blank	10/02/14
BJ40108-BS1	LCS	10/02/14

Batch ID: BJ40145 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-01	MW-1 (0-2')	10/02/14
14I1096-02	MW-2 (0-2')	10/02/14
14I1096-03	MW-3 (0-2')	10/02/14
14I1096-04	SB-04 (0-2')	10/02/14

Batch ID: BJ40146 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-05	MW-1 (11-13')	10/02/14
14I1096-06	MW-2 (11-13')	10/02/14
14I1096-07	MW-3 (11-13')	10/02/14
14I1096-08	SB-04 (11-13')	10/02/14

Batch ID: BJ40164 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-05	MW-1 (11-13')	10/02/14
14I1096-06	MW-2 (11-13')	10/02/14
14I1096-07	MW-3 (11-13')	10/02/14
14I1096-08	SB-04 (11-13')	10/02/14
BJ40164-BLK1	Blank	10/02/14
BJ40164-BS1	LCS	10/02/14
BJ40164-BSD1	LCS Dup	10/02/14

Batch ID: BJ40187 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-05RE1	MW-1 (11-13')	10/03/14
BJ40187-BLK1	Blank	10/03/14
BJ40187-BS1	LCS	10/03/14
BJ40187-BSD1	LCS Dup	10/03/14

Batch ID: BJ40203 **Preparation Method:** EPA 5030B **Prepared By:** SS

YORK Sample ID	Client Sample ID	Preparation Date
14I1096-09	TB-20140925	10/03/14
BJ40203-BLK1	Blank	10/03/14
BJ40203-BS1	LCS	10/03/14
BJ40203-BSD1	LCS Dup	10/03/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40164 - EPA 5035A											
Blank (BJ40164-BLK1)											
Prepared: 10/02/2014 Analyzed: 10/03/2014											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40164 - EPA 5035A											
Blank (BJ40164-BLK1)									Prepared: 10/02/2014 Analyzed: 10/03/2014		
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*49.6*		*ug/L*	*50.0*		*99.3*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*76-130*				
Surrogate: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
LCS (BJ40164-BS1)									Prepared: 10/02/2014 Analyzed: 10/03/2014		
1,1,1,2-Tetrachloroethane	48.6		ug/L	50.0		97.3	75-129				
1,1,1-Trichloroethane	52.7		"	50.0		105	71-137				
1,1,2,2-Tetrachloroethane	53.2		"	50.0		106	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.9		"	50.0		102	58-146				
1,1,2-Trichloroethane	52.7		"	50.0		105	83-123				
1,1-Dichloroethane	54.4		"	50.0		109	75-130				
1,1-Dichloroethylene	53.5		"	50.0		107	64-137				
1,1-Dichloropropylene	54.5		"	50.0		109	77-127				
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140				
1,2,3-Trichloropropane	53.0		"	50.0		106	81-126				
1,2,4-Trichlorobenzene	46.3		"	50.0		92.6	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	57.5		"	50.0		115	74-142				
1,2-Dibromoethane	50.8		"	50.0		102	86-123				
1,2-Dichlorobenzene	49.4		"	50.0		98.8	85-122				
1,2-Dichloroethane	54.6		"	50.0		109	71-133				
1,2-Dichloropropane	52.1		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	46.7		"	50.0		93.3	82-126				
1,3-Dichlorobenzene	49.4		"	50.0		98.9	84-124				
1,3-Dichloropropane	51.6		"	50.0		103	83-123				
1,4-Dichlorobenzene	48.8		"	50.0		97.6	84-124				
1,4-Dioxane	1740		"	1000		174	10-228				
2,2-Dichloropropane	50.1		"	50.0		100	67-136				
2-Butanone	70.2		"	50.0		140	58-147				
2-Chlorotoluene	48.1		"	50.0		96.1	78-127				
4-Chlorotoluene	46.0		"	50.0		92.1	79-125				
Acetone	49.7		"	50.0		99.3	36-155				
Benzene	53.8		"	50.0		108	77-127				
Bromobenzene	51.7		"	50.0		103	77-129				
Bromochloromethane	57.2		"	50.0		114	74-129				
Bromodichloromethane	50.7		"	50.0		101	81-124				
Bromoform	49.8		"	50.0		99.6	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40164 - EPA 5035A											
LCS (BJ40164-BS1)								Prepared: 10/02/2014 Analyzed: 10/03/2014			
Bromomethane	56.8		ug/L	50.0		114	32-177				
Carbon tetrachloride	52.9		"	50.0		106	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	52.9		"	50.0		106	51-142				
Chloroform	52.8		"	50.0		106	76-131				
Chloromethane	54.7		"	50.0		109	49-132				
cis-1,2-Dichloroethylene	53.3		"	50.0		107	74-132				
cis-1,3-Dichloropropylene	47.4		"	50.0		94.8	81-129				
Dibromochloromethane	51.1		"	50.0		102	10-200				
Dibromomethane	50.1		"	50.0		100	83-124				
Dichlorodifluoromethane	45.3		"	50.0		90.5	28-158				
Ethyl Benzene	47.8		"	50.0		95.7	84-125				
Hexachlorobutadiene	46.4		"	50.0		92.9	83-133				
Isopropylbenzene	50.0		"	50.0		100	81-127				
Methyl tert-butyl ether (MTBE)	55.9		"	50.0		112	74-131				
Methylene chloride	54.2		"	50.0		108	57-141				
Naphthalene	52.4		"	50.0		105	86-141				
n-Butylbenzene	47.0		"	50.0		93.9	80-130				
n-Propylbenzene	49.3		"	50.0		98.6	74-136				
o-Xylene	49.1		"	50.0		98.2	83-123				
p- & m- Xylenes	96.4		"	100		96.4	82-128				
p-Isopropyltoluene	49.7		"	50.0		99.4	85-125				
sec-Butylbenzene	48.6		"	50.0		97.2	83-125				
Styrene	50.5		"	50.0		101	86-126				
tert-Butylbenzene	52.4		"	50.0		105	80-127				
Tetrachloroethylene	48.0		"	50.0		96.0	80-129				
Toluene	49.1		"	50.0		98.3	85-121				
trans-1,2-Dichloroethylene	54.3		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	47.6		"	50.0		95.3	78-132				
Trichloroethylene	50.2		"	50.0		100	84-123				
Trichlorofluoromethane	48.0		"	50.0		96.0	62-140				
Vinyl Chloride	50.6		"	50.0		101	52-130				
Vinyl acetate	58.1		"	50.0		116	67-136				
Surrogate: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.0*		*103*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.9*		*"*	*50.0*		*99.9*	*76-130*				
Surrogate: Toluene-d8	*48.9*		*"*	*50.0*		*97.8*	*85-120*				

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 BJ40164 - EPA 5035A											
LCS Dup (BJ40164-BSD1)								Prepared: 10/02/2014 Analyzed: 10/03/2014			
1,1,1,2-Tetrachloroethane	51.0		ug/L	50.0		102	75-129		4.76	30	
1,1,1-Trichloroethane	51.0		"	50.0		102	71-137		3.14	30	
1,1,2,2-Tetrachloroethane	54.3		"	50.0		109	79-129		2.08	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.7		"	50.0		101	58-146		0.335	30	
1,1,2-Trichloroethane	52.4		"	50.0		105	83-123		0.609	30	
1,1-Dichloroethane	54.5		"	50.0		109	75-130		0.202	30	
1,1-Dichloroethylene	51.2		"	50.0		102	64-137		4.39	30	
1,1-Dichloropropylene	54.7		"	50.0		109	77-127		0.421	30	
1,2,3-Trichlorobenzene	50.4		"	50.0		101	81-140		0.677	30	
1,2,3-Trichloropropane	53.6		"	50.0		107	81-126		0.994	30	
1,2,4-Trichlorobenzene	46.7		"	50.0		93.5	80-141		0.924	30	
1,2,4-Trimethylbenzene	48.3		"	50.0		96.6	84-125		0.165	30	
1,2-Dibromo-3-chloropropane	57.6		"	50.0		115	74-142		0.209	30	
1,2-Dibromoethane	54.6		"	50.0		109	86-123		7.13	30	
1,2-Dichlorobenzene	50.1		"	50.0		100	85-122		1.31	30	
1,2-Dichloroethane	55.6		"	50.0		111	71-133		1.74	30	
1,2-Dichloropropane	52.1		"	50.0		104	81-122		0.0384	30	
1,3,5-Trimethylbenzene	49.1		"	50.0		98.3	82-126		5.18	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		1.49	30	
1,3-Dichloropropane	52.5		"	50.0		105	83-123		1.81	30	
1,4-Dichlorobenzene	49.0		"	50.0		98.0	84-124		0.409	30	
1,4-Dioxane	1790		"	1000		179	10-228		3.12	30	
2,2-Dichloropropane	50.7		"	50.0		101	67-136		1.25	30	
2-Butanone	72.1		"	50.0		144	58-147		2.71	30	
2-Chlorotoluene	48.9		"	50.0		97.9	78-127		1.79	30	
4-Chlorotoluene	48.5		"	50.0		97.0	79-125		5.18	30	
Acetone	50.8		"	50.0		102	36-155		2.31	30	
Benzene	55.3		"	50.0		111	77-127		2.77	30	
Bromobenzene	52.3		"	50.0		105	77-129		1.19	30	
Bromochloromethane	55.3		"	50.0		111	74-129		3.31	30	
Bromodichloromethane	51.5		"	50.0		103	81-124		1.55	30	
Bromoform	52.2		"	50.0		104	80-136		4.80	30	
Bromomethane	58.2		"	50.0		116	32-177		2.45	30	
Carbon tetrachloride	52.4		"	50.0		105	66-143		0.798	30	
Chlorobenzene	50.7		"	50.0		101	86-120		1.07	30	
Chloroethane	55.1		"	50.0		110	51-142		4.13	30	
Chloroform	54.8		"	50.0		110	76-131		3.61	30	
Chloromethane	54.6		"	50.0		109	49-132		0.238	30	
cis-1,2-Dichloroethylene	55.4		"	50.0		111	74-132		3.85	30	
cis-1,3-Dichloropropylene	47.4		"	50.0		94.7	81-129		0.0422	30	
Dibromochloromethane	52.7		"	50.0		105	10-200		3.12	30	
Dibromomethane	52.4		"	50.0		105	83-124		4.39	30	
Dichlorodifluoromethane	44.5		"	50.0		89.0	28-158		1.69	30	
Ethyl Benzene	50.6		"	50.0		101	84-125		5.67	30	
Hexachlorobutadiene	49.6		"	50.0		99.3	83-133		6.62	30	
Isopropylbenzene	50.1		"	50.0		100	81-127		0.0998	30	
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131		1.28	30	
Methylene chloride	54.8		"	50.0		110	57-141		1.01	30	
Naphthalene	55.2		"	50.0		110	86-141		5.08	30	
n-Butylbenzene	48.0		"	50.0		96.0	80-130		2.17	30	
n-Propylbenzene	50.0		"	50.0		99.9	74-136		1.33	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 BJ40164 - EPA 5035A											
LCS Dup (BJ40164-BSD1)									Prepared: 10/02/2014 Analyzed: 10/03/2014		
o-Xylene	50.9		ug/L	50.0		102	83-123		3.50	30	
p- & m- Xylenes	101		"	100		101	82-128		4.98	30	
p-Isopropyltoluene	49.5		"	50.0		99.1	85-125		0.363	30	
sec-Butylbenzene	50.0		"	50.0		100	83-125		2.86	30	
Styrene	51.5		"	50.0		103	86-126		1.92	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		3.63	30	
Tetrachloroethylene	49.8		"	50.0		99.5	80-129		3.54	30	
Toluene	49.9		"	50.0		99.8	85-121		1.51	30	
trans-1,2-Dichloroethylene	55.6		"	50.0		111	72-132		2.46	30	
trans-1,3-Dichloropropylene	49.1		"	50.0		98.3	78-132		3.06	30	
Trichloroethylene	51.0		"	50.0		102	84-123		1.64	30	
Trichlorofluoromethane	50.4		"	50.0		101	62-140		4.94	30	
Vinyl Chloride	52.8		"	50.0		106	52-130		4.31	30	
Vinyl acetate	62.4		"	50.0		125	67-136		7.07	30	
Surrogate: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.0*		*103*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Batch BJ40187 - EPA 5035A											
Blank (BJ40187-BLK1)									Prepared & Analyzed: 10/03/2014		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								

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 BJ40187 - EPA 5035A											
Blank (BJ40187-BLK1)											Prepared & Analyzed: 10/03/2014
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*45.3*		*ug/L*	*50.0*		*90.6*	*77-125*				
Surrogate: p-Bromofluorobenzene	*53.2*		*"*	*50.0*		*106*	*76-130*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				

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 BJ40187 - EPA 5035A											
LCS (BJ40187-BS1)								Prepared & Analyzed: 10/03/2014			
1,1,1,2-Tetrachloroethane	55.8		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	55.8		"	50.0		112	71-137				
1,1,2,2-Tetrachloroethane	55.0		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.9		"	50.0		110	58-146				
1,1,2-Trichloroethane	60.0		"	50.0		120	83-123				
1,1-Dichloroethane	56.0		"	50.0		112	75-130				
1,1-Dichloroethylene	56.5		"	50.0		113	64-137				
1,1-Dichloropropylene	57.2		"	50.0		114	77-127				
1,2,3-Trichlorobenzene	58.8		"	50.0		118	81-140				
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126				
1,2,4-Trichlorobenzene	59.0		"	50.0		118	80-141				
1,2,4-Trimethylbenzene	56.0		"	50.0		112	84-125				
1,2-Dibromo-3-chloropropane	61.2		"	50.0		122	74-142				
1,2-Dibromoethane	56.3		"	50.0		113	86-123				
1,2-Dichlorobenzene	54.8		"	50.0		110	85-122				
1,2-Dichloroethane	55.4		"	50.0		111	71-133				
1,2-Dichloropropane	56.3		"	50.0		113	81-122				
1,3,5-Trimethylbenzene	55.1		"	50.0		110	82-126				
1,3-Dichlorobenzene	56.1		"	50.0		112	84-124				
1,3-Dichloropropane	54.7		"	50.0		109	83-123				
1,4-Dichlorobenzene	56.2		"	50.0		112	84-124				
1,4-Dioxane	2030		"	1000		203	10-228				
2,2-Dichloropropane	59.7		"	50.0		119	67-136				
2-Butanone	99.0		"	50.0		198	58-147	High Bias			
2-Chlorotoluene	53.7		"	50.0		107	78-127				
4-Chlorotoluene	54.7		"	50.0		109	79-125				
Acetone	97.0		"	50.0		194	36-155	High Bias			
Benzene	57.3		"	50.0		115	77-127				
Bromobenzene	54.4		"	50.0		109	77-129				
Bromochloromethane	59.7		"	50.0		119	74-129				
Bromodichloromethane	55.8		"	50.0		112	81-124				
Bromoform	58.9		"	50.0		118	80-136				
Bromomethane	61.3		"	50.0		123	32-177				
Carbon tetrachloride	56.0		"	50.0		112	66-143				
Chlorobenzene	53.9		"	50.0		108	86-120				
Chloroethane	58.5		"	50.0		117	51-142				
Chloroform	56.3		"	50.0		113	76-131				
Chloromethane	57.8		"	50.0		116	49-132				
cis-1,2-Dichloroethylene	54.9		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	55.1		"	50.0		110	81-129				
Dibromochloromethane	58.4		"	50.0		117	10-200				
Dibromomethane	57.9		"	50.0		116	83-124				
Dichlorodifluoromethane	58.1		"	50.0		116	28-158				
Ethyl Benzene	55.1		"	50.0		110	84-125				
Hexachlorobutadiene	61.5		"	50.0		123	83-133				
Isopropylbenzene	53.3		"	50.0		107	81-127				
Methyl tert-butyl ether (MTBE)	58.3		"	50.0		117	74-131				
Methylene chloride	51.2		"	50.0		102	57-141				
Naphthalene	57.0		"	50.0		114	86-141				
n-Butylbenzene	62.4		"	50.0		125	80-130				
n-Propylbenzene	55.5		"	50.0		111	74-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40187 - EPA 5035A											
LCS (BJ40187-BS1)							Prepared & Analyzed: 10/03/2014				
o-Xylene	55.4		ug/L	50.0		111	83-123				
p- & m- Xylenes	110		"	100		110	82-128				
p-Isopropyltoluene	58.2		"	50.0		116	85-125				
sec-Butylbenzene	55.8		"	50.0		112	83-125				
Styrene	55.7		"	50.0		111	86-126				
tert-Butylbenzene	53.7		"	50.0		107	80-127				
Tetrachloroethylene	63.3		"	50.0		127	80-129				
Toluene	54.8		"	50.0		110	85-121				
trans-1,2-Dichloroethylene	57.4		"	50.0		115	72-132				
trans-1,3-Dichloropropylene	54.6		"	50.0		109	78-132				
Trichloroethylene	55.7		"	50.0		111	84-123				
Trichlorofluoromethane	56.8		"	50.0		114	62-140				
Vinyl Chloride	57.0		"	50.0		114	52-130				
Vinyl acetate	58.7		"	50.0		117	67-136				
Surrogate: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*77-125*				
Surrogate: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
LCS Dup (BJ40187-BSD1)							Prepared & Analyzed: 10/03/2014				
1,1,1,2-Tetrachloroethane	54.3		ug/L	50.0		109	75-129		2.74	30	
1,1,1-Trichloroethane	54.3		"	50.0		109	71-137		2.72	30	
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	79-129		1.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146		3.85	30	
1,1,2-Trichloroethane	56.4		"	50.0		113	83-123		6.17	30	
1,1-Dichloroethane	54.7		"	50.0		109	75-130		2.26	30	
1,1-Dichloroethylene	55.4		"	50.0		111	64-137		1.98	30	
1,1-Dichloropropylene	56.1		"	50.0		112	77-127		1.96	30	
1,2,3-Trichlorobenzene	57.9		"	50.0		116	81-140		1.56	30	
1,2,3-Trichloropropane	54.1		"	50.0		108	81-126		1.98	30	
1,2,4-Trichlorobenzene	59.5		"	50.0		119	80-141		0.760	30	
1,2,4-Trimethylbenzene	56.5		"	50.0		113	84-125		0.836	30	
1,2-Dibromo-3-chloropropane	58.0		"	50.0		116	74-142		5.39	30	
1,2-Dibromoethane	54.2		"	50.0		108	86-123		3.80	30	
1,2-Dichlorobenzene	54.7		"	50.0		109	85-122		0.183	30	
1,2-Dichloroethane	55.9		"	50.0		112	71-133		0.898	30	
1,2-Dichloropropane	55.8		"	50.0		112	81-122		0.910	30	
1,3,5-Trimethylbenzene	55.2		"	50.0		110	82-126		0.0181	30	
1,3-Dichlorobenzene	57.4		"	50.0		115	84-124		2.36	30	
1,3-Dichloropropane	54.7		"	50.0		109	83-123		0.0731	30	
1,4-Dichlorobenzene	56.5		"	50.0		113	84-124		0.461	30	
1,4-Dioxane	1760		"	1000		176	10-228		13.8	30	
2,2-Dichloropropane	57.5		"	50.0		115	67-136		3.75	30	
2-Butanone	60.4		"	50.0		121	58-147		48.5	30	Non-dir.
2-Chlorotoluene	54.3		"	50.0		109	78-127		1.00	30	
4-Chlorotoluene	55.6		"	50.0		111	79-125		1.78	30	
Acetone	47.9		"	50.0		95.8	36-155		67.7	30	Non-dir.
Benzene	56.1		"	50.0		112	77-127		2.03	30	
Bromobenzene	54.6		"	50.0		109	77-129		0.385	30	
Bromochloromethane	55.9		"	50.0		112	74-129		6.69	30	
Bromodichloromethane	55.7		"	50.0		111	81-124		0.251	30	
Bromoform	56.2		"	50.0		112	80-136		4.81	30	
Bromomethane	57.5		"	50.0		115	32-177		6.48	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 BJ40187 - EPA 5035A											
LCS Dup (BJ40187-BSD1)								Prepared & Analyzed: 10/03/2014			
Carbon tetrachloride	56.1		ug/L	50.0		112	66-143		0.125	30	
Chlorobenzene	54.2		"	50.0		108	86-120		0.666	30	
Chloroethane	56.1		"	50.0		112	51-142		4.22	30	
Chloroform	55.1		"	50.0		110	76-131		2.17	30	
Chloromethane	58.1		"	50.0		116	49-132		0.587	30	
cis-1,2-Dichloroethylene	55.0		"	50.0		110	74-132		0.146	30	
cis-1,3-Dichloropropylene	53.7		"	50.0		107	81-129		2.59	30	
Dibromochloromethane	56.8		"	50.0		114	10-200		2.93	30	
Dibromomethane	55.0		"	50.0		110	83-124		5.17	30	
Dichlorodifluoromethane	57.9		"	50.0		116	28-158		0.328	30	
Ethyl Benzene	54.2		"	50.0		108	84-125		1.56	30	
Hexachlorobutadiene	60.4		"	50.0		121	83-133		1.82	30	
Isopropylbenzene	54.0		"	50.0		108	81-127		1.38	30	
Methyl tert-butyl ether (MTBE)	55.5		"	50.0		111	74-131		4.85	30	
Methylene chloride	52.8		"	50.0		106	57-141		3.25	30	
Naphthalene	56.0		"	50.0		112	86-141		1.82	30	
n-Butylbenzene	61.3		"	50.0		123	80-130		1.73	30	
n-Propylbenzene	56.2		"	50.0		112	74-136		1.15	30	
o-Xylene	55.4		"	50.0		111	83-123		0.126	30	
p- & m- Xylenes	109		"	100		109	82-128		0.238	30	
p-Isopropyltoluene	58.4		"	50.0		117	85-125		0.240	30	
sec-Butylbenzene	56.1		"	50.0		112	83-125		0.501	30	
Styrene	55.9		"	50.0		112	86-126		0.377	30	
tert-Butylbenzene	54.4		"	50.0		109	80-127		1.39	30	
Tetrachloroethylene	50.9		"	50.0		102	80-129		21.6	30	
Toluene	54.1		"	50.0		108	85-121		1.27	30	
trans-1,2-Dichloroethylene	56.7		"	50.0		113	72-132		1.17	30	
trans-1,3-Dichloropropylene	55.0		"	50.0		110	78-132		0.639	30	
Trichloroethylene	53.9		"	50.0		108	84-123		3.34	30	
Trichlorofluoromethane	54.9		"	50.0		110	62-140		3.38	30	
Vinyl Chloride	56.7		"	50.0		113	52-130		0.422	30	
Vinyl acetate	61.2		"	50.0		122	67-136		4.17	30	
Surrogate: 1,2-Dichloroethane-d4	*50.7*		*"*	*50.0*		*101*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.6*	*76-130*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				

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 BJ40203 - EPA 5030B											
Blank (BJ40203-BLK1)											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								

Prepared & Analyzed: 10/03/2014

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 BJ40203 - EPA 5030B

Blank (BJ40203-BLK1) Prepared & Analyzed: 10/03/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*65-135*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*81-114*				
Surrogate: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*86-118*				

LCS (BJ40203-BS1) Prepared & Analyzed: 10/03/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	70-132				
1,1,1-Trichloroethane	11.6		"	10.0		116	68-138				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	73-132				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	67-136				
1,1,2-Trichloroethane	10.2		"	10.0		102	79-125				
1,1-Dichloroethane	10.7		"	10.0		107	78-128				
1,1-Dichloroethylene	11.3		"	10.0		113	68-134				
1,1-Dichloropropylene	10.6		"	10.0		106	74-130				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	77-140				
1,2,3-Trichloropropane	9.61		"	10.0		96.1	79-127				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	75-141				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	78-127				
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	60-150				
1,2-Dibromoethane	10.3		"	10.0		103	86-123				
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-125				
1,2-Dichloroethane	11.0		"	10.0		110	69-133				
1,2-Dichloropropane	9.87		"	10.0		98.7	76-124				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	78-128				
1,3-Dichlorobenzene	9.84		"	10.0		98.4	81-124				
1,3-Dichloropropane	10.0		"	10.0		100	79-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	82-124				
2,2-Dichloropropane	12.2		"	10.0		122	61-139				
2-Butanone	11.8		"	10.0		118	44-169				
2-Chlorotoluene	10.3		"	10.0		103	74-130				
4-Chlorotoluene	10.2		"	10.0		102	75-127				
Acetone	6.10		"	10.0		61.0	29-163				
Benzene	10.0		"	10.0		100	72-134				
Bromobenzene	9.99		"	10.0		99.9	74-129				
Bromochloromethane	10.0		"	10.0		100	69-134				
Bromodichloromethane	10.7		"	10.0		107	76-127				
Bromoform	10.9		"	10.0		109	77-137				
Bromomethane	10.4		"	10.0		104	50-156				
Carbon tetrachloride	11.9		"	10.0		119	62-145				

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 BJ40203 - EPA 5030B											
LCS (BJ40203-BS1)								Prepared & Analyzed: 10/03/2014			
Chlorobenzene	9.93		ug/L	10.0		99.3	85-119				
Chloroethane	9.70		"	10.0		97.0	49-143				
Chloroform	10.7		"	10.0		107	74-131				
Chloromethane	9.68		"	10.0		96.8	43-134				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	73-134				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	77-128				
Dibromochloromethane	10.9		"	10.0		109	79-130				
Dibromomethane	9.95		"	10.0		99.5	78-128				
Dichlorodifluoromethane	11.6		"	10.0		116	38-139				
Ethyl Benzene	10.7		"	10.0		107	80-129				
Hexachlorobutadiene	10.5		"	10.0		105	72-141				
Isopropylbenzene	10.3		"	10.0		103	76-128				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	64-142				
Methylene chloride	12.4		"	10.0		124	56-142				
Naphthalene	10.2		"	10.0		102	79-144				
n-Butylbenzene	10.7		"	10.0		107	74-132				
n-Propylbenzene	10.3		"	10.0		103	72-135				
o-Xylene	11.0		"	10.0		110	81-123				
p- & m- Xylenes	21.3		"	20.0		107	79-130				
p-Isopropyltoluene	10.3		"	10.0		103	80-127				
sec-Butylbenzene	10.5		"	10.0		105	78-127				
Styrene	10.8		"	10.0		108	82-124				
tert-Butylbenzene	10.7		"	10.0		107	75-131				
Tetrachloroethylene	10.7		"	10.0		107	78-133				
Toluene	10.2		"	10.0		102	83-122				
trans-1,2-Dichloroethylene	10.9		"	10.0		109	59-145				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	74-131				
Trichloroethylene	10.4		"	10.0		104	81-125				
Trichlorofluoromethane	12.0		"	10.0		120	61-144				
Vinyl Chloride	11.1		"	10.0		111	42-136				
Vinyl acetate	3.01		"	10.0		30.1	32-165	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*65-135*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*81-114*				
Surrogate: Toluene-d8	*9.66*		*"*	*10.0*		*96.6*	*86-118*				

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 BJ40203 - EPA 5030B											
LCS Dup (BJ40203-BSD1)								Prepared & Analyzed: 10/03/2014			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	70-132		4.84	30	
1,1,1-Trichloroethane	12.0		"	10.0		120	68-138		2.80	30	
1,1,2,2-Tetrachloroethane	9.32		"	10.0		93.2	73-132		7.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	67-136		2.90	30	
1,1,2-Trichloroethane	9.77		"	10.0		97.7	79-125		4.11	30	
1,1-Dichloroethane	11.0		"	10.0		110	78-128		3.22	30	
1,1-Dichloroethylene	11.7		"	10.0		117	68-134		4.00	30	
1,1-Dichloropropylene	10.7		"	10.0		107	74-130		1.32	30	
1,2,3-Trichlorobenzene	9.81		"	10.0		98.1	77-140		3.21	30	
1,2,3-Trichloropropane	4.89		"	10.0		48.9	79-127	Low Bias	65.1	30	Non-dir.
1,2,4-Trichlorobenzene	10.0		"	10.0		100	75-141		2.55	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	78-127		1.17	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	60-150		3.42	30	
1,2-Dibromoethane	9.89		"	10.0		98.9	86-123		3.67	30	
1,2-Dichlorobenzene	9.49		"	10.0		94.9	79-125		1.46	30	
1,2-Dichloroethane	10.9		"	10.0		109	69-133		1.19	30	
1,2-Dichloropropane	10.0		"	10.0		100	76-124		1.41	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	78-128		0.0977	30	
1,3-Dichlorobenzene	9.60		"	10.0		96.0	81-124		2.47	30	
1,3-Dichloropropane	9.88		"	10.0		98.8	79-125		1.41	30	
1,4-Dichlorobenzene	9.74		"	10.0		97.4	82-124		2.73	30	
2,2-Dichloropropane	12.5		"	10.0		125	61-139		2.51	30	
2-Butanone	11.9		"	10.0		119	44-169		0.169	30	
2-Chlorotoluene	9.99		"	10.0		99.9	74-130		2.67	30	
4-Chlorotoluene	9.97		"	10.0		99.7	75-127		2.08	30	
Acetone	8.44		"	10.0		84.4	29-163		32.2	30	Non-dir.
Benzene	10.1		"	10.0		101	72-134		0.496	30	
Bromobenzene	9.06		"	10.0		90.6	74-129		9.76	30	
Bromochloromethane	10.3		"	10.0		103	69-134		2.56	30	
Bromodichloromethane	10.5		"	10.0		105	76-127		1.42	30	
Bromoform	10.9		"	10.0		109	77-137		0.275	30	
Bromomethane	10.4		"	10.0		104	50-156		0.480	30	
Carbon tetrachloride	12.3		"	10.0		123	62-145		2.98	30	
Chlorobenzene	9.81		"	10.0		98.1	85-119		1.22	30	
Chloroethane	10.7		"	10.0		107	49-143		9.62	30	
Chloroform	10.8		"	10.0		108	74-131		1.02	30	
Chloromethane	9.78		"	10.0		97.8	43-134		1.03	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	73-134		0.925	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	77-128		2.74	30	
Dibromochloromethane	11.0		"	10.0		110	79-130		1.55	30	
Dibromomethane	10.4		"	10.0		104	78-128		4.33	30	
Dichlorodifluoromethane	12.2		"	10.0		122	38-139		4.78	30	
Ethyl Benzene	10.7		"	10.0		107	80-129		0.280	30	
Hexachlorobutadiene	9.90		"	10.0		99.0	72-141		5.50	30	
Isopropylbenzene	10.3		"	10.0		103	76-128		0.389	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	64-142		0.640	30	
Methylene chloride	12.4		"	10.0		124	56-142		0.323	30	
Naphthalene	9.89		"	10.0		98.9	79-144		3.28	30	
n-Butylbenzene	10.5		"	10.0		105	74-132		1.70	30	
n-Propylbenzene	10.4		"	10.0		104	72-135		0.774	30	
o-Xylene	10.8		"	10.0		108	81-123		1.10	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 BJ40203 - EPA 5030B											
LCS Dup (BJ40203-BSD1)								Prepared & Analyzed: 10/03/2014			
p- & m- Xylenes	21.5		ug/L	20.0		108	79-130		0.886	30	
p-Isopropyltoluene	10.4		"	10.0		104	80-127		1.06	30	
sec-Butylbenzene	10.4		"	10.0		104	78-127		0.766	30	
Styrene	10.5		"	10.0		105	82-124		3.29	30	
tert-Butylbenzene	10.5		"	10.0		105	75-131		1.23	30	
Tetrachloroethylene	10.6		"	10.0		106	78-133		1.69	30	
Toluene	10.1		"	10.0		101	83-122		0.788	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	59-145		2.32	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	74-131		0.183	30	
Trichloroethylene	10.3		"	10.0		103	81-125		0.872	30	
Trichlorofluoromethane	12.0		"	10.0		120	61-144		0.249	30	
Vinyl Chloride	11.2		"	10.0		112	42-136		1.34	30	
Vinyl acetate	3.01		"	10.0		30.1	32-165	Low Bias	0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*65-135*				
Surrogate: p-Bromofluorobenzene	*9.81*		*"*	*10.0*		*98.1*	*81-114*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*86-118*				

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 BJ40108 - EPA 3545A											
Blank (BJ40108-BLK1)											
Prepared: 10/02/2014 Analyzed: 10/03/2014											
Acenaphthene	ND	250	ug/kg wet								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene	ND	250	"								
Benzo(k)fluoranthene	ND	250	"								
Benzyl alcohol	ND	250	"								
Benzyl butyl phthalate	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
4-Chloro-3-methylphenol	ND	250	"								
4-Chloroaniline	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
2-Chloronaphthalene	ND	250	"								
2-Chlorophenol	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Di-n-butyl phthalate	ND	250	"								
1,3-Dichlorobenzene	ND	250	"								
1,4-Dichlorobenzene	ND	250	"								
1,2-Dichlorobenzene	ND	250	"								
3,3'-Dichlorobenzidine	ND	500	"								
2,4-Dichlorophenol	ND	250	"								
Diethyl phthalate	ND	250	"								
2,4-Dimethylphenol	ND	250	"								
Dimethyl phthalate	ND	250	"								
4,6-Dinitro-2-methylphenol	ND	250	"								
2,4-Dinitrophenol	ND	500	"								
2,4-Dinitrotoluene	ND	250	"								
2,6-Dinitrotoluene	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								
Hexachlorobutadiene	ND	250	"								
Hexachlorocyclopentadiene	ND	250	"								
Hexachloroethane	ND	250	"								
Indeno(1,2,3-cd)pyrene	ND	250	"								
Isophorone	ND	250	"								
2-Methylnaphthalene	ND	250	"								
2-Methylphenol	ND	250	"								
3- & 4-Methylphenols	ND	250	"								
Naphthalene	ND	250	"								
3-Nitroaniline	ND	250	"								

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 BJ40108 - EPA 3545A											
Blank (BJ40108-BLK1)									Prepared: 10/02/2014 Analyzed: 10/03/2014		
2-Nitroaniline	ND	250	ug/kg wet								
4-Nitroaniline	ND	250	"								
Nitrobenzene	ND	250	"								
2-Nitrophenol	ND	250	"								
4-Nitrophenol	ND	250	"								
N-nitroso-di-n-propylamine	ND	250	"								
N-Nitrosodimethylamine	ND	250	"								
N-Nitrosodiphenylamine	ND	250	"								
Pentachlorophenol	ND	250	"								
Phenanthrene	ND	250	"								
Phenol	ND	250	"								
Pyrene	ND	250	"								
Pyridine	ND	250	"								
1,2,4-Trichlorobenzene	ND	250	"								
2,4,6-Trichlorophenol	ND	250	"								
2,4,5-Trichlorophenol	ND	250	"								
Surrogate: 2-Fluorophenol	*2900*		*"*	*3750*		*77.5*	*10-105*				
Surrogate: Phenol-d5	*3300*		*"*	*3760*		*88.0*	*10-118*				
Surrogate: Nitrobenzene-d5	*1990*		*"*	*2500*		*79.4*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*2520*		*"*	*2500*		*101*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*3020*		*"*	*3770*		*80.1*	*10-150*				
Surrogate: Terphenyl-d14	*2390*		*"*	*2500*		*95.6*	*10-137*				
LCS (BJ40108-BS1)									Prepared: 10/02/2014 Analyzed: 10/03/2014		
Acenaphthene	2610	250	ug/kg wet	2500		104	17-124				
Acenaphthylene	2540	250	"	2500		101	16-124				
Aniline	1700	250	"	2500		68.2	10-111				
Anthracene	2620	250	"	2500		105	24-124				
Benzo(a)anthracene	2230	250	"	2500		89.2	25-134				
Benzo(a)pyrene	2870	250	"	2500		115	29-144				
Benzo(b)fluoranthene	2450	250	"	2500		97.8	20-151				
Benzo(g,h,i)perylene	3070	250	"	2500		123	10-153				
Benzo(k)fluoranthene	2440	250	"	2500		97.6	10-148				
Benzyl alcohol	2080	250	"	2500		83.4	17-128				
Benzyl butyl phthalate	2450	250	"	2500		97.9	10-132				
4-Bromophenyl phenyl ether	2240	250	"	2500		89.6	30-138				
4-Chloro-3-methylphenol	2150	250	"	2500		85.9	16-138				
4-Chloroaniline	2160	250	"	2500		86.4	10-117				
Bis(2-chloroethoxy)methane	2340	250	"	2500		93.8	10-129				
Bis(2-chloroethyl)ether	2420	250	"	2500		96.8	14-125				
Bis(2-chloroisopropyl)ether	2250	250	"	2500		89.9	14-122				
2-Chloronaphthalene	2630	250	"	2500		105	22-115				
2-Chlorophenol	2320	250	"	2500		93.0	25-121				
4-Chlorophenyl phenyl ether	2380	250	"	2500		95.3	18-132				
Chrysene	2810	250	"	2500		112	24-116				
Dibenzo(a,h)anthracene	2930	250	"	2500		117	17-147				
Dibenzofuran	2520	250	"	2500		101	23-123				
Di-n-butyl phthalate	2580	250	"	2500		103	19-123				
1,3-Dichlorobenzene	2460	250	"	2500		98.3	32-113				
1,4-Dichlorobenzene	2460	250	"	2500		98.5	28-111				
1,2-Dichlorobenzene	2480	250	"	2500		99.3	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40108 - EPA 3545A											
LCS (BJ40108-BS1)								Prepared: 10/02/2014 Analyzed: 10/03/2014			
3,3'-Dichlorobenzidine	1980	500	ug/kg wet	2500		79.3	10-147				
2,4-Dichlorophenol	2360	250	"	2500		94.6	23-133				
Diethyl phthalate	2680	250	"	2500		107	23-122				
2,4-Dimethylphenol	2220	250	"	2500		88.9	15-131				
Dimethyl phthalate	2810	250	"	2500		112	28-127				
4,6-Dinitro-2-methylphenol	2510	250	"	2500		100	10-149				
2,4-Dinitrophenol	3320	500	"	2500		133	10-149				
2,4-Dinitrotoluene	3010	250	"	2500		120	30-123				
2,6-Dinitrotoluene	2660	250	"	2500		107	30-125				
Di-n-octyl phthalate	3080	250	"	2500		123	10-132				
Bis(2-ethylhexyl)phthalate	2870	250	"	2500		115	10-141				
Fluoranthene	2510	250	"	2500		100	36-125				
Fluorene	2660	250	"	2500		106	16-130				
Hexachlorobenzene	2540	250	"	2500		102	10-129				
Hexachlorobutadiene	2360	250	"	2500		94.4	22-153				
Hexachlorocyclopentadiene	1910	250	"	2500		76.5	10-134				
Hexachloroethane	2380	250	"	2500		95.2	20-112				
Indeno(1,2,3-cd)pyrene	2880	250	"	2500		115	10-155				
Isophorone	2170	250	"	2500		86.9	14-131				
2-Methylnaphthalene	2520	250	"	2500		101	16-127				
2-Methylphenol	1950	250	"	2500		77.8	10-146				
3- & 4-Methylphenols	1920	250	"	2500		76.9	20-109				
Naphthalene	2620	250	"	2500		105	20-121				
3-Nitroaniline	2480	250	"	2500		99.4	23-123				
2-Nitroaniline	2650	250	"	2500		106	24-126				
4-Nitroaniline	2510	250	"	2500		100	14-125				
Nitrobenzene	2150	250	"	2500		86.0	20-121				
2-Nitrophenol	2330	250	"	2500		93.0	17-129				
4-Nitrophenol	1880	250	"	2500		75.2	10-136				
N-nitroso-di-n-propylamine	1900	250	"	2500		75.9	21-119				
N-Nitrosodimethylamine	ND	250	"	2500			10-124	Low Bias			
N-Nitrosodiphenylamine	2760	250	"	2500		110	10-163				
Pentachlorophenol	1990	250	"	2500		79.6	10-143				
Phenanthrene	2700	250	"	2500		108	24-123				
Phenol	2090	250	"	2500		83.6	15-123				
Pyrene	2490	250	"	2500		99.7	24-132				
Pyridine	66.0	250	"	2500		2.64	10-92	Low Bias			
1,2,4-Trichlorobenzene	2390	250	"	2500		95.5	23-130				
2,4,6-Trichlorophenol	2290	250	"	2500		91.6	27-122				
2,4,5-Trichlorophenol	2220	250	"	2500		89.0	14-138				
Surrogate: 2-Fluorophenol	*2400*		*"*	*3750*		*64.0*	*10-105*				
Surrogate: Phenol-d5	*2710*		*"*	*3760*		*72.2*	*10-118*				
Surrogate: Nitrobenzene-d5	*1870*		*"*	*2500*		*74.5*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*2120*		*"*	*2500*		*84.8*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*2660*		*"*	*3770*		*70.6*	*30-130*				
Surrogate: Terphenyl-d14	*1850*		*"*	*2500*		*73.9*	*10-137*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40081 - EPA 3550C											
Blank (BJ40081-BLK1)									Prepared & Analyzed: 10/02/2014		
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*64.9*		*"*	*66.7*		*97.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*60.8*		*"*	*66.7*		*91.2*	*30-140*				
LCS (BJ40081-BS1)									Prepared & Analyzed: 10/02/2014		
4,4'-DDD	34.7	0.330	ug/kg wet	33.3		104	40-140				
4,4'-DDE	34.1	0.330	"	33.3		102	40-140				
4,4'-DDT	39.1	0.330	"	33.3		117	40-140				
Aldrin	33.1	0.330	"	33.3		99.2	40-140				
alpha-BHC	34.8	0.330	"	33.3		105	40-140				
beta-BHC	36.4	0.330	"	33.3		109	40-140				
gamma-Chlordane	30.9	0.330	"	33.3		92.8	40-140				
delta-BHC	35.0	0.330	"	33.3		105	40-140				
Dieldrin	32.8	0.330	"	33.3		98.3	40-140				
Endosulfan I	32.1	0.330	"	33.3		96.2	40-140				
Endosulfan II	31.6	0.330	"	33.3		94.8	40-140				
Endosulfan sulfate	33.1	0.330	"	33.3		99.2	40-140				
Endrin	35.0	0.330	"	33.3		105	40-140				
Endrin aldehyde	28.6	0.330	"	33.3		85.8	40-140				
Endrin ketone	33.4	0.330	"	33.3		100	40-140				
gamma-BHC (Lindane)	33.6	0.330	"	33.3		101	40-140				
Heptachlor	31.2	0.330	"	33.3		93.7	40-140				
Heptachlor epoxide	29.9	0.330	"	33.3		89.8	40-140				
alpha-Chlordane	29.4	0.330	"	33.3		88.3	40-140				
Methoxychlor	36.9	1.65	"	33.3		111	40-140				
Surrogate: Tetrachloro-m-xylene	*78.9*		*"*	*66.7*		*118*	*30-140*				
Surrogate: Decachlorobiphenyl	*76.0*		*"*	*66.7*		*114*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40081 - EPA 3550C											
LCS Dup (BJ40081-BSD1)								Prepared & Analyzed: 10/02/2014			
4,4'-DDD	36.3	0.330	ug/kg wet	33.3		109	40-140		4.51	30	
4,4'-DDE	35.1	0.330	"	33.3		105	40-140		3.05	30	
4,4'-DDT	39.7	0.330	"	33.3		119	40-140		1.38	30	
Aldrin	33.2	0.330	"	33.3		99.6	40-140		0.394	30	
alpha-BHC	35.0	0.330	"	33.3		105	40-140		0.582	30	
beta-BHC	36.8	0.330	"	33.3		110	40-140		0.905	30	
gamma-Chlordane	31.5	0.330	"	33.3		94.5	40-140		1.80	30	
delta-BHC	35.6	0.330	"	33.3		107	40-140		1.63	30	
Dieldrin	33.1	0.330	"	33.3		99.3	40-140		1.04	30	
Endosulfan I	32.5	0.330	"	33.3		97.6	40-140		1.42	30	
Endosulfan II	32.2	0.330	"	33.3		96.6	40-140		1.79	30	
Endosulfan sulfate	33.9	0.330	"	33.3		102	40-140		2.64	30	
Endrin	35.5	0.330	"	33.3		107	40-140		1.55	30	
Endrin aldehyde	29.2	0.330	"	33.3		87.7	40-140		2.18	30	
Endrin ketone	35.8	0.330	"	33.3		107	40-140		7.01	30	
gamma-BHC (Lindane)	33.9	0.330	"	33.3		102	40-140		0.940	30	
Heptachlor	31.4	0.330	"	33.3		94.2	40-140		0.446	30	
Heptachlor epoxide	30.4	0.330	"	33.3		91.1	40-140		1.51	30	
alpha-Chlordane	30.0	0.330	"	33.3		90.0	40-140		1.86	30	
Methoxychlor	38.4	1.65	"	33.3		115	40-140		3.93	30	
Surrogate: Tetrachloro-m-xylene	*78.9*		*"*	*66.7*		*118*	*30-140*				
Surrogate: Decachlorobiphenyl	*76.0*		*"*	*66.7*		*114*	*30-140*				
Matrix Spike (BJ40081-MS1)	*Source sample: 14I1096-01 (MW-1 (0-2'))							Prepared: 10/02/2014 Analyzed: 10/03/2014			
4,4'-DDD	32.0	1.73	ug/kg dry	35.0	ND	91.3	30-150				
4,4'-DDE	25.9	1.73	"	35.0	ND	74.0	30-150				
4,4'-DDT	37.3	1.73	"	35.0	ND	106	30-150				
Aldrin	31.0	1.73	"	35.0	ND	88.4	30-150				
alpha-BHC	28.1	1.73	"	35.0	ND	80.2	30-150				
beta-BHC	29.5	1.73	"	35.0	ND	84.2	30-150				
gamma-Chlordane	24.0	1.73	"	35.0	ND	68.6	30-150				
delta-BHC	24.0	1.73	"	35.0	ND	68.6	30-150				
Dieldrin	22.2	1.73	"	35.0	ND	63.3	30-150				
Endosulfan I	23.2	1.73	"	35.0	ND	66.2	30-150				
Endosulfan II	28.0	1.73	"	35.0	ND	80.0	30-150				
Endosulfan sulfate	28.8	1.73	"	35.0	ND	82.2	30-150				
Endrin	30.0	1.73	"	35.0	ND	85.7	30-150				
Endrin aldehyde	25.2	1.73	"	35.0	ND	72.1	30-150				
Endrin ketone	34.7	1.73	"	35.0	ND	98.9	30-150				
gamma-BHC (Lindane)	26.1	1.73	"	35.0	ND	74.5	30-150				
Heptachlor	26.0	1.73	"	35.0	ND	74.3	30-150				
Heptachlor epoxide	25.3	1.73	"	35.0	ND	72.3	30-150				
alpha-Chlordane	22.9	1.73	"	35.0	ND	65.2	30-150				
Methoxychlor	33.7	8.67	"	35.0	ND	96.2	30-150				
Surrogate: Tetrachloro-m-xylene	*56.3*		*"*	*70.1*		*80.3*	*30-140*				
Surrogate: Decachlorobiphenyl	*43.8*		*"*	*70.1*		*62.5*	*30-140*				

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 BJ40081 - EPA 3550C											
Blank (BJ40081-BLK1)								Prepared & Analyzed: 10/02/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0683*		*"*	*0.0667*		*102*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0653*		*"*	*0.0667*		*98.0*	*30-140*				
LCS (BJ40081-BS2)								Prepared & Analyzed: 10/02/2014			
Aroclor 1016	0.323	0.0167	mg/kg wet	0.333		97.0	40-130				
Aroclor 1260	0.305	0.0167	"	0.333		91.6	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0620*		*"*	*0.0667*		*93.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0573*		*"*	*0.0667*		*86.0*	*30-140*				
LCS Dup (BJ40081-BSD2)								Prepared & Analyzed: 10/02/2014			
Aroclor 1016	0.343	0.0167	mg/kg wet	0.333		103	40-130		5.81	25	
Aroclor 1260	0.301	0.0167	"	0.333		90.4	40-130		1.32	25	
Surrogate: Tetrachloro-m-xylene	*0.0647*		*"*	*0.0667*		*97.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0517*		*"*	*0.0667*		*77.5*	*30-140*				
Matrix Spike (BJ40081-MS2)	*Source sample: 14I1096-02 (MW-2 (0-2'))							Prepared & Analyzed: 10/02/2014			
Aroclor 1016	0.300	0.0177	mg/kg dry	0.355	ND	84.4	40-140				
Aroclor 1260	0.277	0.0177	"	0.355	ND	78.0	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0593*		*"*	*0.0710*		*83.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0533*		*"*	*0.0710*		*75.0*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI41552 - EPA 3050B											
Blank (BI41552-BLK1)											Prepared & Analyzed: 09/30/2014
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BI41552-SRM1)											Prepared & Analyzed: 09/30/2014
Aluminum	8850	1.00	mg/kg wet	9390		94.3	43.5-157				
Antimony	157	0.500	"	129		122	22.4-250				
Arsenic	81.6	1.00	"	88.4		92.3	69-131				
Barium	193	1.00	"	210		92.1	73.3-127				
Beryllium	50.8	0.100	"	55.8		91.1	73.1-127				
Cadmium	129	0.300	"	142		90.7	73.2-128				
Calcium	7100	5.00	"	7530		94.3	74.6-125				
Chromium	78.3	0.500	"	86.8		90.2	69.1-131				
Cobalt	187	0.500	"	199		94.0	74.4-126				
Copper	265	0.500	"	268		99.0	76.1-124				
Iron	12700	2.00	"	12800		99.5	31.6-168				
Lead	86.4	0.300	"	97.9		88.3	70.8-129				
Magnesium	2620	5.00	"	2850		91.8	65.3-135				
Manganese	404	0.500	"	425		94.9	76.2-124				
Nickel	231	0.500	"	236		98.0	74.2-128				
Potassium	2310	5.00	"	2570		89.7	61.1-139				
Selenium	126	1.00	"	127		99.0	66.6-134				
Silver	58.0	0.500	"	66.2		87.6	67.1-133				
Sodium	929	10.0	"	1040		89.3	60.4-139				
Thallium	121	1.00	"	140		86.7	68.3-132				
Vanadium	145	1.00	"	156		93.0	71.8-129				
Zinc	115	1.00	"	161		71.6	66.9-133				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40006 - EPA 7473 soil											
Blank (BJ40006-BLK1)									Prepared & Analyzed: 10/01/2014		
Mercury	ND	0.0300	mg/kg wet								
Reference (BJ40006-SRM1)									Prepared & Analyzed: 10/01/2014		
Mercury	3.0600		mg/kg	3.73		82.0	68.6-131				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I1096-05	MW-1 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I1096-06	MW-2 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I1096-07	MW-3 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I1096-08	SB-04 (11-13')	40mL Vial with Stir Bar-Cool 4° C
14I1096-09	TB-20140925	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
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.

Corrective Action: Two 5035 sets labeled the same MW-1 (11-13). Used soil sample color to match with 4 oz.

YORK
ANALYTICAL LABORATORIES, INC.
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 unless superseded by written contract.

York Project No. 14I1096

Client Information		Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company:	Ecosystems Strategies	SAME [X]	SAME [X]	GQ14076.20	RUSH Same Day	Summary
Address:	24 Davis Ave, Poughkeepsie, NY	Name:	Name: Brenda		RUSH Next Day	QA/QC Summary X
		Company:	Company:		RUSH Two Day	CT RCP Pkg
Phone no.:	845-452-1658	Address:	Address:	Purchase Order no.	RUSH Three Day	ASP A Pkg
Contact Person:	Adam				RUSH Four Day	ASP B Pkg
E-mail Addr.:		E-mail:	E-mail		Standard (5-7 days) X	Excel
FAX No.:		Fax No.:	Fax No.:	Samples from: CT__ NY X NJ__	OTHER	EDD

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

[signature]
Samples Collected/Authorized By (Signature)

A. Atkinson
Name (printed)

Matrix Codes
S - soil
Other - specify
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	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360 Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360 Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360 Expanded	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, Zn	Helium	TAGM	Silica	MBAS	TPH-IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1 (0-2')	9-25-2014	S	8270; 8081; 8082; TAL metals	(1) 4oz
MW-2 (0-2')	↓	↓	↓	↓
MW-3 (0-2')	↓	↓	↓	↓
SB-04 (0-2')	↓	↓	↓	↓
MW-1 (11-13')	↓	↓	8260; 8270; 8081; 8082; TAL metals	(1) VOA kit (1) 4 oz
MW-2 (11-13')	↓	↓	↓	↓
MW-3 (11-13')	↓	↓	↓	↓
SB-04 (11-13')	↓	↓	↓	↓
TB-20140925	↓	TB	8260	(2) 40mL

Comments

Preservation "X" those applicable: Cool 4°C__ HNO3__ H2SO4__ NaOH__ NONE__ FROZEN__

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	9/26/14	[signature]	9-26-14 13:45	4.9 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by: [signature]	9/26/14 1605	

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Report Date: 10/13/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14J0215

Report Date: 10/13/2014
Client Project ID: GQ14076.20
York Project (SDG) No.: 14J0215

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Adam Atkinson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 03, 2014 and listed below. The project was identified as your project: **GQ14076.20**.

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
14J0215-01	MW-1	Water	10/02/2014	10/03/2014
14J0215-02	MW-2	Water	10/02/2014	10/03/2014
14J0215-03	MW-3	Water	10/02/2014	10/03/2014
14J0215-04	MW-Duplicate	Water	10/02/2014	10/03/2014
14J0215-05	HB-01 (0-2')	Soil	10/02/2014	10/03/2014
14J0215-06	HB-02 (0-2')	Soil	10/02/2014	10/03/2014
14J0215-07	HB-03 (0-2')	Soil	10/02/2014	10/03/2014
14J0215-08	TB-20141002	Water	10/02/2014	10/03/2014

General Notes for York Project (SDG) No.: 14J0215

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: 10/13/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-1 | **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level | **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	10/10/2014 08:19	10/10/2014 13:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2014 08:19	10/10/2014 13:08	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.7 %*	*79-122*

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*91.2 %*			*81-117*						

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.174**		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
208-96-8	**Acenaphthylene**	**0.0513**	J	ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.974**		ug/L	0.513	0.513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
91-20-3	**Naphthalene**	**0.656**		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
85-01-8	**Phenanthrene**	**0.113**		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/08/2014 07:19	10/08/2014 16:43	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	10/08/2014 07:19	10/08/2014 20:06	KH
	Surrogate Recoveries	**Result**			**Acceptance Range**						
367-12-4	*Surrogate: 2-Fluorophenol*	*12.9 %*			*10-53*						
4165-62-2	*Surrogate: Phenol-d5*	*9.12 %*			*10-39*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.7 %*			*10-120*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*41.4 %*			*10-108*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*63.9 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*51.7 %*			*10-143*						

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	10/08/2014 07:14	10/09/2014 13:08	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:08	JW
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.1 %*			*30-120*						

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

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
2051-24-3	*Surrogate: Decachlorobiphenyl*	*34.6 %*			*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	10/08/2014 07:14	10/08/2014 21:15	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:15	AMC
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.0 %*			*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*29.5 %*	GC-Surr		*30-120*						

Metals, Dissolved - Target Analyte (TAL)

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	10/07/2014 14:36	10/07/2014 20:00	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-39-3	**Barium**	**0.112**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-70-2	**Calcium**	**145**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7439-95-4	**Magnesium**	**24.2**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7439-96-5	**Manganese**	**0.320**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14J0215-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-09-7	**Potassium**	**23.2**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7782-49-2	**Selenium**	**0.020**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-23-5	**Sodium**	**90.8**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:00	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.057**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-38-2	**Arsenic**	**0.013**		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-39-3	**Barium**	**0.154**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-70-2	**Calcium**	**147**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7439-89-6	**Iron**	**7.83**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7439-95-4	**Magnesium**	**24.8**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7439-96-5	**Manganese**	**0.346**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-09-7	**Potassium**	**23.4**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7782-49-2	**Selenium**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-23-5	**Sodium**	**90.6**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW
7440-66-6	**Zinc**	**0.012**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:42	MW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14J0215-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14J0215-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
95-63-6	**1,2,4-Trimethylbenzene**	**6.4**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14J0215-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
78-93-3	2-Butanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
591-78-6	2-Hexanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
67-64-1	Acetone	ND		ug/L	20	40	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
71-43-2	**Benzene**	**49**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
108-86-1	Bromobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
74-97-5	Bromochloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-25-2	Bromoform	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
74-83-9	Bromomethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-15-0	Carbon disulfide	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
108-90-7	Chlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-00-3	Chloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
67-66-3	Chloroform	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
74-87-3	Chloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
74-95-3	Dibromomethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
100-41-4	**Ethyl Benzene**	**4.8**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-09-2	Methylene chloride	ND		ug/L	20	40	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
91-20-3	**Naphthalene**	**1100**	CCV-E	ug/L	50	100	50	EPA 8260C	10/10/2014 08:19	10/10/2014 15:49	SS
104-51-8	n-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14J0215-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	**o-Xylene**	**10**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
179601-23-1	**p- & m- Xylenes**	**21**		ug/L	10	20	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
100-42-5	**Styrene**	**5.2**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
108-88-3	**Toluene**	**27**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
79-01-6	Trichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS
1330-20-7	*** Xylenes, Total**	**31**		ug/L	12	30	20	EPA 8260C	10/10/2014 08:19	10/10/2014 13:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.4 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*94.2 %*	*81-117*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	51.3	1.03	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
208-96-8	Acenaphthylene	ND		ug/L	51.3	1.03	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
62-53-3	Aniline	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
120-12-7	Anthracene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
100-51-6	Benzyl alcohol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
106-47-8	4-Chloroaniline	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14J0215-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
95-57-8	2-Chlorophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
218-01-9	Chrysene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
132-64-9	Dibenzofuran	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
84-66-2	Diethyl phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
105-67-9	**2,4-Dimethylphenol**	**80.2**	J	ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
131-11-3	Dimethyl phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
206-44-0	Fluoranthene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
86-73-7	Fluorene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
118-74-1	Hexachlorobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
67-72-1	Hexachloroethane	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
78-59-1	Isophorone	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
95-48-7	2-Methylphenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
91-20-3	**Naphthalene**	**622**		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14J0215-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
99-09-2	3-Nitroaniline	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
88-74-4	2-Nitroaniline	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
98-95-3	Nitrobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
100-02-7	4-Nitrophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
88-75-5	2-Nitrophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
87-86-5	Pentachlorophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
85-01-8	Phenanthrene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
108-95-2	Phenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
129-00-0	Pyrene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
110-86-1	Pyridine	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	51.3	103	20	EPA 8270D	10/08/2014 07:19	10/09/2014 15:18	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*9.33 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*53.3 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*43.5 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*40.0 %*	*10-108*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*88.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*75.2 %*	*10-143*

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	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0100	0.0100	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14J0215-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:23	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.3 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*33.6 %*	*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	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:34	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*37.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*32.0 %*	*30-120*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14J0215-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Metals, Dissolved - Target Analyte (TAL)

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	10/07/2014 14:36	10/07/2014 20:05	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-39-3	**Barium**	**0.152**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-70-2	**Calcium**	**137**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7439-89-6	**Iron**	**0.031**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7439-95-4	**Magnesium**	**15.6**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7439-96-5	**Manganese**	**0.749**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-09-7	**Potassium**	**12.0**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-23-5	**Sodium**	**43.7**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:05	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-39-3	**Barium**	**0.156**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-70-2	**Calcium**	**137**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14J0215-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.129**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7439-95-4	**Magnesium**	**15.5**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7439-96-5	**Manganese**	**0.724**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-09-7	**Potassium**	**12.1**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-23-5	**Sodium**	**43.6**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	MW
7440-66-6	**Zinc**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:47	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	10/06/2014 13:43	10/06/2014 18:37	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14J0215-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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	10/10/2014 08:19	10/10/2014 14:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14J0215-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
71-43-2	**Benzene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14J0215-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
91-20-3	**Naphthalene**	**6.9**	CCV-E	ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2014 08:19	10/10/2014 14:13	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*93.7 %*	*81-117*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14J0215-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.62**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
208-96-8	**Acenaphthylene**	**0.189**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
120-12-7	**Anthracene**	**0.158**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
56-55-3	**Benzo(a)anthracene**	**0.116**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
50-32-8	**Benzo(a)pyrene**	**0.0737**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
205-99-2	**Benzo(b)fluoranthene**	**0.0947**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.105**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
207-08-9	**Benzo(k)fluoranthene**	**0.0737**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
218-01-9	**Chrysene**	**0.0737**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14J0215-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.821**		ug/L	0.526	0.526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
206-44-0	**Fluoranthene**	**0.358**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
86-73-7	**Fluorene**	**0.526**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0842**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
91-20-3	**Naphthalene**	**1.03**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
85-01-8	**Phenanthrene**	**0.821**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
129-00-0	**Pyrene**	**0.316**		ug/L	0.0526	0.0526	1	EPA 8270D	10/08/2014 07:19	10/08/2014 17:44	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/08/2014 07:19	10/08/2014 21:07	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*16.4 %*		*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*9.79 %*	S-08	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.1 %*		*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*52.4 %*		*10-108*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*95.1 %*		*10-150*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14J0215-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*82.8 %*			*10-143*						

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	10/08/2014 07:14	10/09/2014 13:38	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B	10/08/2014 07:14	10/09/2014 13:38	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.6 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.2 %*	*30-120*

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14J0215-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

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	10/08/2014 07:14	10/08/2014 21:53	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	10/08/2014 07:14	10/08/2014 21:53	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*31.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*	*30-120*

Metals, Dissolved - Target Analyte (TAL)

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	10/07/2014 14:36	10/07/2014 20:10	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-39-3	**Barium**	**0.110**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-70-2	**Calcium**	**110**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7439-95-4	**Magnesium**	**13.5**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7439-96-5	**Manganese**	**2.02**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-09-7	**Potassium**	**13.9**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-23-5	**Sodium**	**148**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14J0215-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW
7440-66-6	**Zinc**	**0.022**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:10	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.063**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-38-2	**Arsenic**	**0.004**		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-39-3	**Barium**	**0.126**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-70-2	**Calcium**	**109**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7439-89-6	**Iron**	**8.08**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7439-92-1	**Lead**	**0.005**		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7439-95-4	**Magnesium**	**13.3**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7439-96-5	**Manganese**	**1.99**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-09-7	**Potassium**	**13.9**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-23-5	**Sodium**	**147**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW
7440-66-6	**Zinc**	**0.041**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:52	MW

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14J0215-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Sample Information

Client Sample ID: **MW-Duplicate** **York Sample ID:** **14J0215-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
95-63-6	**1,2,4-Trimethylbenzene**	**6.4**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS

Sample Information

Client Sample ID: **MW-Duplicate** **York Sample ID:** **14J0215-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
78-93-3	2-Butanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
591-78-6	2-Hexanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
67-64-1	Acetone	ND		ug/L	20	40	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
71-43-2	**Benzene**	**46**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
108-86-1	Bromobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
74-97-5	Bromochloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-25-2	Bromoform	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
74-83-9	Bromomethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-15-0	Carbon disulfide	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
108-90-7	Chlorobenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-00-3	Chloroethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
67-66-3	Chloroform	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
74-87-3	Chloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
74-95-3	Dibromomethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
100-41-4	**Ethyl Benzene**	**5.0**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-09-2	Methylene chloride	ND		ug/L	20	40	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
91-20-3	**Naphthalene**	**1100**	CCV-E	ug/L	50	100	50	EPA 8260C	10/10/2014 08:19	10/10/2014 16:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS

Sample Information

Client Sample ID: **MW-Duplicate** **York Sample ID:** **14J0215-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	**o-Xylene**	**11**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
179601-23-1	**p- & m- Xylenes**	**21**		ug/L	10	20	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
100-42-5	**Styrene**	**6.2**	J	ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
108-88-3	**Toluene**	**27**		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
79-01-6	Trichloroethylene	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	4.0	10	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS
1330-20-7	*** Xylenes, Total**	**32**		ug/L	12	30	20	EPA 8260C	10/10/2014 08:19	10/10/2014 14:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.0 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*94.4 %*	*81-117*

Metals, Dissolved - Target Analyte (TAL)

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	10/07/2014 14:36	10/07/2014 20:15	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-38-2	**Arsenic**	**0.005**		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-39-3	**Barium**	**0.153**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-70-2	**Calcium**	**137**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7439-89-6	**Iron**	**0.024**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7439-95-4	**Magnesium**	**15.6**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7439-96-5	**Manganese**	**0.742**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW

Sample Information

Client Sample ID: MW-Duplicate **York Sample ID:** 14J0215-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-09-7	**Potassium**	**12.0**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-23-5	**Sodium**	**43.4**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:36	10/07/2014 20:15	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-38-2	**Arsenic**	**0.006**		mg/L	0.004	0.004	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-39-3	**Barium**	**0.156**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-70-2	**Calcium**	**137**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7439-89-6	**Iron**	**0.127**		mg/L	0.020	0.020	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7439-95-4	**Magnesium**	**15.2**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7439-96-5	**Manganese**	**0.734**		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-09-7	**Potassium**	**11.7**		mg/L	0.050	0.050	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7782-49-2	**Selenium**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-23-5	**Sodium**	**43.6**		mg/L	0.100	0.100	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW
7440-66-6	**Zinc**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	10/07/2014 14:39	10/07/2014 21:56	MW

Sample Information

Client Sample ID: MW-Duplicate **York Sample ID:** 14J0215-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 3:00 pm	10/03/2014

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/06/2014 13:43	10/06/2014 18:37	ALD

Sample Information

Client Sample ID: HB-01 (0-2') **York Sample ID:** 14J0215-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS

Sample Information

Client Sample ID: **HB-01 (0-2')** **York Sample ID:** **14J0215-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	65	130	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
78-93-3	**2-Butanone**	**170**		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
67-64-1	**Acetone**	**84**		ug/kg dry	6.5	13	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.5	13	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
91-20-3	**Naphthalene**	**110**		ug/kg dry	3.2	13	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.5	13	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS

Sample Information

Client Sample ID: HB-01 (0-2') **York Sample ID:** 14J0215-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.7	19	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.2	6.5	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:05	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*93.6 %*	*85-120*

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.4**		%	0.100	0.100	1	SM 2540G	10/13/2014 17:17	10/13/2014 17:19	PAM

Sample Information

Client Sample ID: HB-02 (0-2') **York Sample ID:** 14J0215-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS

Sample Information

Client Sample ID: HB-02 (0-2')

York Sample ID: 14J0215-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
78-93-3	**2-Butanone**	**370**	E	ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
67-64-1	**Acetone**	**100**		ug/kg dry	5.6	11	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
71-43-2	**Benzene**	**39**		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS

Sample Information

Client Sample ID: **HB-02 (0-2')** **York Sample ID:** **14J0215-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
91-20-3	**Naphthalene**	**11**	J	ug/kg dry	2.8	11	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
108-88-3	**Toluene**	**8.8**		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/08/2014 17:07	10/09/2014 02:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*

Sample Information

Client Sample ID: HB-02 (0-2') **York Sample ID:** 14J0215-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.9**		%	0.100	0.100	1	SM 2540G	10/13/2014 17:17	10/13/2014 17:19	PAM

Sample Information

Client Sample ID: HB-03 (0-2') **York Sample ID:** 14J0215-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS

Sample Information

Client Sample ID: **HB-03 (0-2')** **York Sample ID:** **14J0215-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
67-64-1	**Acetone**	**36**		ug/kg dry	5.1	10	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
91-20-3	**Naphthalene**	**170**		ug/kg dry	2.5	10	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS

Sample Information

Client Sample ID: HB-03 (0-2') **York Sample ID:** 14J0215-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Soil	October 2, 2014 3:00 pm	10/03/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	10/08/2014 17:07	10/09/2014 03:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.6**		%	0.100	0.100	1	SM 2540G	10/13/2014 17:17	10/13/2014 17:19	PAM

Sample Information

Client Sample ID: TB-20141002 **York Sample ID:** 14J0215-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 12:00 am	10/03/2014

Volatile Organics, 8260 List - Low Level

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	10/10/2014 08:19	10/10/2014 15:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS

Sample Information

Client Sample ID: TB-20141002 **York Sample ID:** 14J0215-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 12:00 am	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
67-66-3	**Chloroform**	**0.97**		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS

Sample Information

Client Sample ID: TB-20141002 **York Sample ID:** 14J0215-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0215	GQ14076.20	Water	October 2, 2014 12:00 am	10/03/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
91-20-3	**Naphthalene**	**1.1**	CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/10/2014 08:19	10/10/2014 15:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*92.4 %*	*81-117*

Analytical Batch Summary

Batch ID: BJ40280 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/06/14
14J0215-02	MW-2	10/06/14
14J0215-03	MW-3	10/06/14
14J0215-04	MW-Duplicate	10/06/14
BJ40280-BLK1	Blank	10/06/14
BJ40280-SRM1	Reference	10/06/14

Batch ID: BJ40398 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/07/14
14J0215-02	MW-2	10/07/14
14J0215-03	MW-3	10/07/14
14J0215-04	MW-Duplicate	10/07/14
BJ40398-BLK1	Blank	10/07/14
BJ40398-SRM1	Reference	10/07/14
BJ40398-SRM2	Reference	10/07/14

Batch ID: BJ40399 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/07/14
14J0215-02	MW-2	10/07/14
14J0215-03	MW-3	10/07/14
14J0215-04	MW-Duplicate	10/07/14
BJ40399-BLK1	Blank	10/07/14
BJ40399-SRM1	Reference	10/07/14
BJ40399-SRM2	Reference	10/07/14

Batch ID: BJ40417 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/08/14
14J0215-01	MW-1	10/08/14
14J0215-02	MW-2	10/08/14
14J0215-02	MW-2	10/08/14
14J0215-03	MW-3	10/08/14
14J0215-03	MW-3	10/08/14
BJ40417-BLK1	Blank	10/08/14
BJ40417-BLK1	Blank	10/08/14
BJ40417-BS1	LCS	10/08/14
BJ40417-BS2	LCS	10/08/14
BJ40417-BSD1	LCS Dup	10/08/14
BJ40417-BSD2	LCS Dup	10/08/14

Batch ID: BJ40419 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/08/14
14J0215-02	MW-2	10/08/14
14J0215-03	MW-3	10/08/14
BJ40419-BLK1	Blank	10/08/14
BJ40419-BS1	LCS	10/08/14
BJ40419-BS2	LCS	10/08/14
BJ40419-BSD1	LCS Dup	10/08/14

Batch ID: BJ40492 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-05	HB-01 (0-2')	10/08/14
14J0215-06	HB-02 (0-2')	10/08/14
14J0215-07	HB-03 (0-2')	10/08/14
BJ40492-BLK1	Blank	10/08/14
BJ40492-BS1	LCS	10/08/14
BJ40492-BSD1	LCS Dup	10/08/14

Batch ID: BJ40626 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-01	MW-1	10/10/14
14J0215-02	MW-2	10/10/14
14J0215-02RE1	MW-2	10/10/14
14J0215-03	MW-3	10/10/14
14J0215-04	MW-Duplicate	10/10/14
14J0215-04RE1	MW-Duplicate	10/10/14
14J0215-08	TB-20141002	10/10/14
BJ40626-BLK1	Blank	10/10/14
BJ40626-BS1	LCS	10/10/14
BJ40626-BSD1	LCS Dup	10/10/14

Batch ID: BJ40712 **Preparation Method:** % Solids Prep **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
14J0215-05	HB-01 (0-2')	10/13/14
14J0215-06	HB-02 (0-2')	10/13/14
14J0215-07	HB-03 (0-2')	10/13/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40492 - EPA 5035A											
Blank (BJ40492-BLK1)											
Prepared: 10/08/2014 Analyzed: 10/09/2014											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40492 - EPA 5035A											
Blank (BJ40492-BLK1)											Prepared: 10/08/2014 Analyzed: 10/09/2014
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*51.1*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*76-130*				
Surrogate: Toluene-d8	*47.8*		*"*	*50.0*		*95.6*	*85-120*				
LCS (BJ40492-BS1)											Prepared & Analyzed: 10/08/2014
1,1,1,2-Tetrachloroethane	52.7		ug/L	50.0		105	75-129				
1,1,1-Trichloroethane	56.1		"	50.0		112	71-137				
1,1,2,2-Tetrachloroethane	46.3		"	50.0		92.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	70.7		"	50.0		141	58-146				
1,1,2-Trichloroethane	48.6		"	50.0		97.2	83-123				
1,1-Dichloroethane	54.0		"	50.0		108	75-130				
1,1-Dichloroethylene	65.6		"	50.0		131	64-137				
1,1-Dichloropropylene	55.8		"	50.0		112	77-127				
1,2,3-Trichlorobenzene	53.4		"	50.0		107	81-140				
1,2,3-Trichloropropane	49.6		"	50.0		99.1	81-126				
1,2,4-Trichlorobenzene	51.2		"	50.0		102	80-141				
1,2,4-Trimethylbenzene	47.3		"	50.0		94.5	84-125				
1,2-Dibromo-3-chloropropane	45.3		"	50.0		90.5	74-142				
1,2-Dibromoethane	53.3		"	50.0		107	86-123				
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122				
1,2-Dichloroethane	56.6		"	50.0		113	71-133				
1,2-Dichloropropane	44.3		"	50.0		88.6	81-122				
1,3,5-Trimethylbenzene	46.8		"	50.0		93.6	82-126				
1,3-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,3-Dichloropropane	46.4		"	50.0		92.9	83-123				
1,4-Dichlorobenzene	52.0		"	50.0		104	84-124				
1,4-Dioxane	767		"	1000		76.7	10-228				
2,2-Dichloropropane	52.2		"	50.0		104	67-136				
2-Butanone	53.7		"	50.0		107	58-147				
2-Chlorotoluene	41.1		"	50.0		82.2	78-127				
4-Chlorotoluene	44.4		"	50.0		88.7	79-125				
Acetone	49.5		"	50.0		99.1	36-155				
Benzene	56.4		"	50.0		113	77-127				
Bromobenzene	44.8		"	50.0		89.6	77-129				
Bromochloromethane	52.1		"	50.0		104	74-129				
Bromodichloromethane	46.9		"	50.0		93.7	81-124				
Bromoform	53.0		"	50.0		106	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40492 - EPA 5035A											
LCS (BJ40492-BS1)								Prepared & Analyzed: 10/08/2014			
Bromomethane	78.2		ug/L	50.0		156	32-177				
Carbon tetrachloride	59.9		"	50.0		120	66-143				
Chlorobenzene	51.4		"	50.0		103	86-120				
Chloroethane	70.4		"	50.0		141	51-142				
Chloroform	57.1		"	50.0		114	76-131				
Chloromethane	45.4		"	50.0		90.7	49-132				
cis-1,2-Dichloroethylene	61.6		"	50.0		123	74-132				
cis-1,3-Dichloropropylene	44.9		"	50.0		89.8	81-129				
Dibromochloromethane	53.4		"	50.0		107	10-200				
Dibromomethane	48.8		"	50.0		97.6	83-124				
Dichlorodifluoromethane	43.7		"	50.0		87.4	28-158				
Ethyl Benzene	47.1		"	50.0		94.3	84-125				
Hexachlorobutadiene	51.0		"	50.0		102	83-133				
Isopropylbenzene	47.9		"	50.0		95.8	81-127				
Methyl tert-butyl ether (MTBE)	57.6		"	50.0		115	74-131				
Methylene chloride	56.4		"	50.0		113	57-141				
Naphthalene	52.3		"	50.0		105	86-141				
n-Butylbenzene	43.1		"	50.0		86.3	80-130				
n-Propylbenzene	45.3		"	50.0		90.6	74-136				
o-Xylene	48.4		"	50.0		96.9	83-123				
p- & m- Xylenes	94.5		"	100		94.5	82-128				
p-Isopropyltoluene	48.8		"	50.0		97.6	85-125				
sec-Butylbenzene	48.3		"	50.0		96.5	83-125				
Styrene	50.9		"	50.0		102	86-126				
tert-Butylbenzene	49.1		"	50.0		98.2	80-127				
Tetrachloroethylene	57.1		"	50.0		114	80-129				
Toluene	49.1		"	50.0		98.3	85-121				
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	45.3		"	50.0		90.7	78-132				
Trichloroethylene	49.4		"	50.0		98.7	84-123				
Trichlorofluoromethane	62.5		"	50.0		125	62-140				
Vinyl Chloride	58.9		"	50.0		118	52-130				
Vinyl acetate	45.4		"	50.0		90.7	67-136				
Surrogate: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
Surrogate: Toluene-d8	*45.8*		*"*	*50.0*		*91.6*	*85-120*				

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 BJ40492 - EPA 5035A											
LCS Dup (BJ40492-BSD1)							Prepared & Analyzed: 10/08/2014				
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.9	75-129		7.36	30	
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137		8.71	30	
1,1,2,2-Tetrachloroethane	41.0		"	50.0		82.0	79-129		12.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.4		"	50.0		121	58-146		15.6	30	
1,1,2-Trichloroethane	45.6		"	50.0		91.1	83-123		6.48	30	
1,1-Dichloroethane	48.8		"	50.0		97.5	75-130		10.2	30	
1,1-Dichloroethylene	56.9		"	50.0		114	64-137		14.2	30	
1,1-Dichloropropylene	49.2		"	50.0		98.5	77-127		12.5	30	
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140		6.34	30	
1,2,3-Trichloropropane	41.3		"	50.0		82.6	81-126		18.2	30	
1,2,4-Trichlorobenzene	46.8		"	50.0		93.6	80-141		8.88	30	
1,2,4-Trimethylbenzene	42.5		"	50.0		84.9	84-125		10.7	30	
1,2-Dibromo-3-chloropropane	39.1		"	50.0		78.2	74-142		14.7	30	
1,2-Dibromoethane	47.7		"	50.0		95.4	86-123		11.1	30	
1,2-Dichlorobenzene	48.1		"	50.0		96.3	85-122		8.05	30	
1,2-Dichloroethane	48.1		"	50.0		96.2	71-133		16.2	30	
1,2-Dichloropropane	40.8		"	50.0		81.7	81-122		8.15	30	
1,3,5-Trimethylbenzene	42.4		"	50.0		84.9	82-126		9.73	30	
1,3-Dichlorobenzene	45.7		"	50.0		91.4	84-124		11.4	30	
1,3-Dichloropropane	41.8		"	50.0		83.7	83-123		10.4	30	
1,4-Dichlorobenzene	47.1		"	50.0		94.2	84-124		9.87	30	
1,4-Dioxane	636		"	1000		63.6	10-228		18.7	30	
2,2-Dichloropropane	46.6		"	50.0		93.2	67-136		11.2	30	
2-Butanone	47.5		"	50.0		95.0	58-147		12.3	30	
2-Chlorotoluene	37.0		"	50.0		73.9	78-127	Low Bias	10.7	30	
4-Chlorotoluene	39.3		"	50.0		78.7	79-125	Low Bias	12.0	30	
Acetone	44.8		"	50.0		89.6	36-155		10.0	30	
Benzene	50.7		"	50.0		101	77-127		10.7	30	
Bromobenzene	38.9		"	50.0		77.9	77-129		14.0	30	
Bromochloromethane	47.3		"	50.0		94.6	74-129		9.62	30	
Bromodichloromethane	42.9		"	50.0		85.9	81-124		8.73	30	
Bromoform	45.6		"	50.0		91.2	80-136		15.1	30	
Bromomethane	67.5		"	50.0		135	32-177		14.7	30	
Carbon tetrachloride	52.9		"	50.0		106	66-143		12.3	30	
Chlorobenzene	47.8		"	50.0		95.7	86-120		7.15	30	
Chloroethane	59.8		"	50.0		120	51-142		16.4	30	
Chloroform	50.4		"	50.0		101	76-131		12.3	30	
Chloromethane	41.8		"	50.0		83.7	49-132		8.07	30	
cis-1,2-Dichloroethylene	54.0		"	50.0		108	74-132		13.2	30	
cis-1,3-Dichloropropylene	40.7		"	50.0		81.3	81-129		9.91	30	
Dibromochloromethane	49.4		"	50.0		98.8	10-200		7.84	30	
Dibromomethane	46.4		"	50.0		92.8	83-124		4.98	30	
Dichlorodifluoromethane	39.0		"	50.0		77.9	28-158		11.4	30	
Ethyl Benzene	44.2		"	50.0		88.5	84-125		6.33	30	
Hexachlorobutadiene	45.2		"	50.0		90.4	83-133		12.1	30	
Isopropylbenzene	42.7		"	50.0		85.4	81-127		11.5	30	
Methyl tert-butyl ether (MTBE)	51.9		"	50.0		104	74-131		10.6	30	
Methylene chloride	49.5		"	50.0		99.0	57-141		13.1	30	
Naphthalene	47.7		"	50.0		95.5	86-141		9.16	30	
n-Butylbenzene	39.0		"	50.0		77.9	80-130	Low Bias	10.2	30	
n-Propylbenzene	40.2		"	50.0		80.4	74-136		11.8	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 BJ40492 - EPA 5035A											
LCS Dup (BJ40492-BSD1)								Prepared & Analyzed: 10/08/2014			
o-Xylene	45.2		ug/L	50.0		90.4	83-123		6.92	30	
p- & m- Xylenes	88.9		"	100		88.9	82-128		6.12	30	
p-Isopropyltoluene	44.0		"	50.0		88.0	85-125		10.3	30	
sec-Butylbenzene	42.7		"	50.0		85.3	83-125		12.3	30	
Styrene	46.5		"	50.0		93.0	86-126		8.98	30	
tert-Butylbenzene	43.2		"	50.0		86.4	80-127		12.8	30	
Tetrachloroethylene	51.2		"	50.0		102	80-129		10.9	30	
Toluene	44.4		"	50.0		88.9	85-121		10.0	30	
trans-1,2-Dichloroethylene	45.9		"	50.0		91.7	72-132		15.2	30	
trans-1,3-Dichloropropylene	40.4		"	50.0		80.8	78-132		11.6	30	
Trichloroethylene	45.7		"	50.0		91.4	84-123		7.68	30	
Trichlorofluoromethane	52.5		"	50.0		105	62-140		17.4	30	
Vinyl Chloride	49.2		"	50.0		98.3	52-130		18.1	30	
Vinyl acetate	40.3		"	50.0		80.6	67-136		11.9	30	
Surrogate: 1,2-Dichloroethane-d4	*48.9*		*"*	*50.0*		*97.9*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.8*	*76-130*				
Surrogate: Toluene-d8	*46.6*		*"*	*50.0*		*93.3*	*85-120*				
Batch BJ40626 - EPA 5030B											
Blank (BJ40626-BLK1)								Prepared & Analyzed: 10/10/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40626 - EPA 5030B											
Blank (BJ40626-BLK1)											
Prepared & Analyzed: 10/10/2014											
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-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	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.74*		*"*	*10.0*		*97.4*	*79-122*				
Surrogate: Toluene-d8	*9.23*		*"*	*10.0*		*92.3*	*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 BJ40626 - EPA 5030B

LCS (BJ40626-BS1) Prepared & Analyzed: 10/10/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	12.3		"	10.0		123	78-136				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165				
1,1,2-Trichloroethane	9.67		"	10.0		96.7	82-123				
1,1-Dichloroethane	11.4		"	10.0		114	82-129				
1,1-Dichloroethylene	11.9		"	10.0		119	68-138				
1,1-Dichloropropylene	12.1		"	10.0		121	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.45		"	10.0		94.5	77-128				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	45-147				
1,2-Dibromoethane	9.75		"	10.0		97.5	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	9.13		"	10.0		91.3	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	9.81		"	10.0		98.1	81-125				
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124				
2,2-Dichloropropane	12.7		"	10.0		127	56-150				
2-Butanone	12.9		"	10.0		129	49-152				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	8.75		"	10.0		87.5	14-150				
Benzene	11.4		"	10.0		114	85-126				
Bromobenzene	10.4		"	10.0		104	78-129				
Bromochloromethane	10.5		"	10.0		105	77-128				
Bromodichloromethane	9.93		"	10.0		99.3	79-128				
Bromoform	10.1		"	10.0		101	78-133				
Bromomethane	7.77		"	10.0		77.7	43-168				
Carbon disulfide	11.7		"	10.0		117	68-146				
Carbon tetrachloride	12.4		"	10.0		124	77-141				
Chlorobenzene	9.97		"	10.0		99.7	88-120				
Chloroethane	10.0		"	10.0		100	65-136				
Chloroform	11.2		"	10.0		112	82-128				
Chloromethane	8.31		"	10.0		83.1	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	9.80		"	10.0		98.0	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	76-135				
Methylene chloride	8.13		"	10.0		81.3	55-137				
Naphthalene	11.0		"	10.0		110	70-147				

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 BJ40626 - EPA 5030B											
LCS (BJ40626-BS1)							Prepared & Analyzed: 10/10/2014				
n-Butylbenzene	11.0		ug/L	10.0		110	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	21.1		"	20.0		105	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	11.9		"	10.0		119	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*9.42*		*"*	*10.0*		*94.2*	*81-117*				
LCS Dup (BJ40626-BSD1)							Prepared & Analyzed: 10/10/2014				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.293	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		10.8	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		2.75	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		11.3	30	
1,1,2-Trichloroethane	9.88		"	10.0		98.8	82-123		2.15	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		5.41	30	
1,1-Dichloroethylene	10.6		"	10.0		106	68-138		10.8	30	
1,1-Dichloropropylene	10.9		"	10.0		109	83-133		10.5	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		0.976	30	
1,2,3-Trichloropropane	9.75		"	10.0		97.5	77-128		3.13	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		2.79	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		3.84	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		7.09	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	83-124		1.02	30	
1,2-Dichlorobenzene	9.67		"	10.0		96.7	79-123		4.55	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		3.03	30	
1,2-Dichloropropane	9.97		"	10.0		99.7	78-126		8.80	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		7.76	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122		6.01	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		2.32	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		8.57	30	
2,2-Dichloropropane	11.2		"	10.0		112	56-150		11.8	30	
2-Butanone	12.5		"	10.0		125	49-152		3.70	30	
2-Chlorotoluene	9.90		"	10.0		99.0	79-130		7.11	30	
2-Hexanone	9.19		"	10.0		91.9	51-146		9.73	30	
4-Chlorotoluene	9.73		"	10.0		97.3	79-128		5.89	30	
4-Methyl-2-pentanone	10.9		"	10.0		109	57-145		1.39	30	
Acetone	8.18		"	10.0		81.8	14-150		6.73	30	
Benzene	10.9		"	10.0		109	85-126		4.74	30	
Bromobenzene	9.87		"	10.0		98.7	78-129		4.84	30	
Bromochloromethane	10.1		"	10.0		101	77-128		3.49	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		1.70	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 BJ40626 - EPA 5030B

LCS Dup (BJ40626-BSD1) Prepared & Analyzed: 10/10/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Bromoform	11.3		ug/L	10.0		113	78-133		11.3	30	
Bromomethane	8.03		"	10.0		80.3	43-168		3.29	30	
Carbon disulfide	10.9		"	10.0		109	68-146		7.06	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		9.32	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		1.41	30	
Chloroethane	9.38		"	10.0		93.8	65-136		6.50	30	
Chloroform	10.8		"	10.0		108	82-128		3.65	30	
Chloromethane	7.87		"	10.0		78.7	43-155		5.44	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129		2.00	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		1.76	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		3.68	30	
Dibromomethane	11.1		"	10.0		111	72-134		9.06	30	
Dichlorodifluoromethane	8.99		"	10.0		89.9	44-144		8.62	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		1.52	30	
Hexachlorobutadiene	10.0		"	10.0		100	67-146		6.39	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		6.94	30	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135		1.23	30	
Methylene chloride	7.87		"	10.0		78.7	55-137		3.25	30	
Naphthalene	10.8		"	10.0		108	70-147		1.75	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		7.17	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		7.14	30	
o-Xylene	10.5		"	10.0		105	78-130		1.23	30	
p- & m- Xylenes	20.9		"	20.0		104	77-133		0.906	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		6.36	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		8.36	30	
Styrene	10.6		"	10.0		106	67-132		0.282	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		7.63	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		1.31	30	
Toluene	10.2		"	10.0		102	80-127		1.07	30	
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132		4.19	30	
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131		1.15	30	
Trichloroethylene	10.5		"	10.0		105	82-128		3.79	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		6.24	30	
Vinyl Chloride	10.1		"	10.0		101	58-145		11.7	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Surrogate: Toluene-d8	*9.52*		*"*	*10.0*		*95.2*	*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 BJ40419 - EPA 3510C											
Blank (BJ40419-BLK1)											
Prepared & Analyzed: 10/08/2014											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40419 - EPA 3510C											
Blank (BJ40419-BLK1)								Prepared & Analyzed: 10/08/2014			
3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*12.7*		*"*	*75.0*		*17.0*	*10-53*				
Surrogate: Phenol-d5	*7.92*		*"*	*75.1*		*10.5*	*10-39*				
Surrogate: Nitrobenzene-d5	*30.6*		*"*	*50.1*		*61.0*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*24.0*		*"*	*50.0*		*48.0*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*48.8*		*"*	*75.4*		*64.7*	*10-150*				
Surrogate: Terphenyl-d14	*33.8*		*"*	*50.0*		*67.6*	*10-143*				
LCS (BJ40419-BS1)								Prepared & Analyzed: 10/08/2014			
Acenaphthene	34.7	0.0500	ug/L	50.0		69.4	24-114				
Acenaphthylene	33.3	0.0500	"	50.0		66.5	26-112				
Aniline	17.0	5.00	"	50.0		34.0	10-107				
Anthracene	36.2	0.0500	"	50.0		72.4	35-114				
Benzo(a)anthracene	34.4	0.0500	"	50.0		68.9	38-127				
Benzo(a)pyrene	33.4	0.0500	"	50.0		66.8	30-146				
Benzo(b)fluoranthene	34.0	0.0500	"	50.0		67.9	36-145				
Benzo(g,h,i)perylene	36.3	0.0500	"	50.0		72.6	10-163				
Benzo(k)fluoranthene	34.0	0.0500	"	50.0		67.9	16-149				
Benzyl alcohol	22.3	5.00	"	50.0		44.6	18-75				
Benzyl butyl phthalate	30.8	5.00	"	50.0		61.6	28-129				
4-Bromophenyl phenyl ether	38.5	5.00	"	50.0		77.0	38-116				
4-Chloro-3-methylphenol	36.7	5.00	"	50.0		73.3	28-101				
4-Chloroaniline	39.7	5.00	"	50.0		79.4	10-154				
Bis(2-chloroethoxy)methane	44.6	5.00	"	50.0		89.2	27-112				
Bis(2-chloroethyl)ether	39.6	5.00	"	50.0		79.1	24-114				
Bis(2-chloroisopropyl)ether	47.7	5.00	"	50.0		95.4	21-124				
2-Chloronaphthalene	30.5	5.00	"	50.0		61.0	40-96				
2-Chlorophenol	27.3	5.00	"	50.0		54.5	35-84				
4-Chlorophenyl phenyl ether	40.9	5.00	"	50.0		81.9	34-112				
Chrysene	33.9	0.0500	"	50.0		67.9	33-120				
Dibenzo(a,h)anthracene	37.9	0.0500	"	50.0		75.9	10-149				
Dibenzofuran	33.1	5.00	"	50.0		66.3	42-105				
Di-n-butyl phthalate	33.8	5.00	"	50.0		67.5	36-110				
1,4-Dichlorobenzene	33.6	5.00	"	50.0		67.2	42-82				
1,3-Dichlorobenzene	32.1	5.00	"	50.0		64.3	45-80				
1,2-Dichlorobenzene	33.7	5.00	"	50.0		67.4	42-85				

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 BJ40419 - EPA 3510C											
LCS (BJ40419-BS1)								Prepared & Analyzed: 10/08/2014			
3,3'-Dichlorobenzidine	39.4	5.00	ug/L	50.0		78.9	25-155				
2,4-Dichlorophenol	40.2	5.00	"	50.0		80.3	43-92				
Diethyl phthalate	38.7	5.00	"	50.0		77.4	38-112				
2,4-Dimethylphenol	33.9	5.00	"	50.0		67.8	25-92				
Dimethyl phthalate	36.7	5.00	"	50.0		73.4	49-106				
4,6-Dinitro-2-methylphenol	38.4	5.00	"	50.0		76.7	10-135				
2,4-Dinitrophenol	39.4	5.00	"	50.0		78.9	10-149				
2,4-Dinitrotoluene	39.4	5.00	"	50.0		78.7	41-114				
2,6-Dinitrotoluene	37.6	5.00	"	50.0		75.3	49-106				
Di-n-octyl phthalate	31.2	5.00	"	50.0		62.4	12-149				
Bis(2-ethylhexyl)phthalate	36.3	0.500	"	50.0		72.5	10-171				
Fluoranthene	37.4	0.0500	"	50.0		74.9	33-126				
Fluorene	38.6	0.0500	"	50.0		77.1	28-117				
Hexachlorobenzene	39.6	0.0200	"	50.0		79.2	27-120				
Hexachlorobutadiene	47.7	0.500	"	50.0		95.5	25-106				
Hexachlorocyclopentadiene	21.5	5.00	"	50.0		43.0	10-99				
Hexachloroethane	37.5	0.500	"	50.0		75.1	33-84				
Indeno(1,2,3-cd)pyrene	36.6	0.0500	"	50.0		73.1	10-150				
Isophorone	43.7	5.00	"	50.0		87.4	29-115				
2-Methylnaphthalene	42.1	5.00	"	50.0		84.1	33-101				
2-Methylphenol	22.7	5.00	"	50.0		45.5	10-90				
3- & 4-Methylphenols	17.5	5.00	"	50.0		35.0	10-101				
Naphthalene	40.6	0.0500	"	50.0		81.2	30-99				
4-Nitroaniline	28.3	5.00	"	50.0		56.6	15-143				
3-Nitroaniline	28.8	5.00	"	50.0		57.6	29-128				
2-Nitroaniline	29.8	5.00	"	50.0		59.6	31-122				
Nitrobenzene	46.2	0.250	"	50.0		92.3	32-113				
4-Nitrophenol	8.30	5.00	"	50.0		16.6	10-112				
2-Nitrophenol	36.9	5.00	"	50.0		73.8	37-97				
N-nitroso-di-n-propylamine	38.1	5.00	"	50.0		76.1	36-118				
N-Nitrosodimethylamine	11.7	0.500	"	50.0		23.3	10-63				
N-Nitrosodiphenylamine	40.2	5.00	"	50.0		80.4	27-145				
Pentachlorophenol	39.2	0.250	"	50.0		78.3	19-127				
Phenanthrene	38.1	0.0500	"	50.0		76.1	31-112				
Phenol	8.86	5.00	"	50.0		17.7	10-37				
Pyrene	33.0	0.0500	"	50.0		66.0	42-125				
Pyridine	3.28	5.00	"	50.0		6.56	10-46	Low Bias			
1,2,4-Trichlorobenzene	40.2	5.00	"	50.0		80.3	35-91				
2,4,5-Trichlorophenol	30.6	5.00	"	50.0		61.1	36-112				
2,4,6-Trichlorophenol	31.6	5.00	"	50.0		63.1	41-107				
Surrogate: 2-Fluorophenol	*21.0*		*"*	*75.0*		*28.0*	*10-53*				
Surrogate: Phenol-d5	*14.0*		*"*	*75.1*		*18.7*	*10-39*				
Surrogate: Nitrobenzene-d5	*44.6*		*"*	*50.1*		*89.1*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*30.5*		*"*	*50.0*		*61.0*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*66.8*		*"*	*75.4*		*88.6*	*10-150*				
Surrogate: Terphenyl-d14	*33.1*		*"*	*50.0*		*66.3*	*10-143*				

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 BJ40419 - EPA 3510C

LCS (BJ40419-BS2) Prepared & Analyzed: 10/08/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	0.430	0.0500	ug/L	1.00		43.0	24-114				
Acenaphthylene	0.420	0.0500	"	1.00		42.0	26-112				
Aniline	ND	5.00	"				10-107				
Anthracene	0.460	0.0500	"	1.00		46.0	35-114				
Benzo(a)anthracene	0.530	0.0500	"	1.00		53.0	38-127				
Benzo(a)pyrene	0.590	0.0500	"	1.00		59.0	30-146				
Benzo(b)fluoranthene	0.870	0.0500	"	1.00		87.0	36-145				
Benzo(g,h,i)perylene	0.610	0.0500	"	1.00		61.0	10-163				
Benzo(k)fluoranthene	0.660	0.0500	"	1.00		66.0	16-149				
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
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	0.630	0.0500	"	1.00		63.0	33-120				
Dibenzo(a,h)anthracene	0.580	0.0500	"	1.00		58.0	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				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
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				
Bis(2-ethylhexyl)phthalate	0.500	0.500	"				10-171				
Fluoranthene	0.600	0.0500	"	1.00		60.0	33-126				
Fluorene	0.490	0.0500	"	1.00		49.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	0.610	0.0500	"	1.00		61.0	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	0.440	0.0500	"	1.00		44.0	30-99				
4-Nitroaniline	ND	5.00	"				15-143				

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 BJ40419 - EPA 3510C											
LCS (BJ40419-BS2)							Prepared & Analyzed: 10/08/2014				
3-Nitroaniline	ND	5.00	ug/L				29-128				
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	0.590	0.0500	"	1.00		59.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.620	0.0500	"	1.00		62.0	42-125				
Pyridine	ND	5.00	"				10-46				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*75.0*			*10-53*				
Surrogate: Phenol-d5	*0.00*		*"*	*75.1*			*10-39*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.1*			*10-120*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*10-108*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*75.4*			*10-150*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.0*			*10-143*				
LCS Dup (BJ40419-BSD1)							Prepared & Analyzed: 10/08/2014				
Acenaphthene	34.7	0.0500	ug/L	50.0		69.4	24-114		0.115	20	
Acenaphthylene	33.2	0.0500	"	50.0		66.3	26-112		0.271	20	
Aniline	15.0	5.00	"	50.0		30.1	10-107		12.1	20	
Anthracene	36.4	0.0500	"	50.0		72.8	35-114		0.496	20	
Benzo(a)anthracene	35.1	0.0500	"	50.0		70.2	38-127		1.87	20	
Benzo(a)pyrene	33.3	0.0500	"	50.0		66.7	30-146		0.270	20	
Benzo(b)fluoranthene	30.5	0.0500	"	50.0		60.9	36-145		10.9	20	
Benzo(g,h,i)perylene	37.9	0.0500	"	50.0		75.9	10-163		4.34	20	
Benzo(k)fluoranthene	46.1	0.0500	"	50.0		92.3	16-149		30.4	20	Non-dir.
Benzyl alcohol	18.2	5.00	"	50.0		36.4	18-75		20.2	20	Non-dir.
Benzyl butyl phthalate	30.4	5.00	"	50.0		60.9	28-129		1.21	20	
4-Bromophenyl phenyl ether	38.6	5.00	"	50.0		77.2	38-116		0.285	20	
4-Chloro-3-methylphenol	29.9	5.00	"	50.0		59.8	28-101		20.3	20	Non-dir.
4-Chloroaniline	32.9	5.00	"	50.0		65.8	10-154		18.6	20	
Bis(2-chloroethoxy)methane	36.5	5.00	"	50.0		73.1	27-112		19.8	20	
Bis(2-chloroethyl)ether	29.2	5.00	"	50.0		58.3	24-114		30.3	20	Non-dir.
Bis(2-chloroisopropyl)ether	35.7	5.00	"	50.0		71.3	21-124		28.9	20	Non-dir.
2-Chloronaphthalene	31.4	5.00	"	50.0		62.8	40-96		2.78	20	
2-Chlorophenol	19.9	5.00	"	50.0		39.7	35-84		31.4	20	Non-dir.
4-Chlorophenyl phenyl ether	39.3	5.00	"	50.0		78.6	34-112		4.09	20	
Chrysene	34.9	0.0500	"	50.0		69.8	33-120		2.88	20	
Dibenzo(a,h)anthracene	37.9	0.0500	"	50.0		75.9	10-149		0.00	20	
Dibenzofuran	32.6	5.00	"	50.0		65.3	42-105		1.52	20	
Di-n-butyl phthalate	34.7	5.00	"	50.0		69.4	36-110		2.69	20	
1,4-Dichlorobenzene	25.9	5.00	"	50.0		51.7	42-82		26.1	20	Non-dir.
1,3-Dichlorobenzene	25.4	5.00	"	50.0		50.7	45-80		23.6	20	Non-dir.
1,2-Dichlorobenzene	29.8	5.00	"	50.0		59.5	42-85		12.4	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 BJ40419 - EPA 3510C											
LCS Dup (BJ40419-BSD1)								Prepared & Analyzed: 10/08/2014			
3,3'-Dichlorobenzidine	37.8	5.00	ug/L	50.0		75.5	25-155		4.38	20	
2,4-Dichlorophenol	32.2	5.00	"	50.0		64.4	43-92		22.0	20	Non-dir.
Diethyl phthalate	38.0	5.00	"	50.0		76.0	38-112		1.83	20	
2,4-Dimethylphenol	27.4	5.00	"	50.0		54.9	25-92		21.1	20	Non-dir.
Dimethyl phthalate	36.8	5.00	"	50.0		73.6	49-106		0.191	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	50.0		74.0	10-135		3.64	20	
2,4-Dinitrophenol	37.8	5.00	"	50.0		75.7	10-149		4.14	20	
2,4-Dinitrotoluene	38.0	5.00	"	50.0		76.0	41-114		3.59	20	
2,6-Dinitrotoluene	36.6	5.00	"	50.0		73.2	49-106		2.80	20	
Di-n-octyl phthalate	31.7	5.00	"	50.0		63.5	12-149		1.68	20	
Bis(2-ethylhexyl)phthalate	36.0	0.500	"	50.0		72.1	10-171		0.664	20	
Fluoranthene	38.6	0.0500	"	50.0		77.2	33-126		3.08	20	
Fluorene	38.4	0.0500	"	50.0		76.8	28-117		0.416	20	
Hexachlorobenzene	39.6	0.0200	"	50.0		79.2	27-120		0.0253	20	
Hexachlorobutadiene	38.2	0.500	"	50.0		76.3	25-106		22.3	20	Non-dir.
Hexachlorocyclopentadiene	20.7	5.00	"	50.0		41.4	10-99		3.69	20	
Hexachloroethane	28.2	0.500	"	50.0		56.5	33-84		28.3	20	Non-dir.
Indeno(1,2,3-cd)pyrene	37.5	0.0500	"	50.0		75.0	10-150		2.57	20	
Isophorone	36.3	5.00	"	50.0		72.6	29-115		18.5	20	
2-Methylnaphthalene	35.2	5.00	"	50.0		70.4	33-101		17.8	20	
2-Methylphenol	17.3	5.00	"	50.0		34.7	10-90		26.9	20	Non-dir.
3- & 4-Methylphenols	13.1	5.00	"	50.0		26.2	10-101		28.7	20	Non-dir.
Naphthalene	34.1	0.0500	"	50.0		68.3	30-99		17.3	20	
4-Nitroaniline	27.2	5.00	"	50.0		54.3	15-143		4.15	20	
3-Nitroaniline	27.3	5.00	"	50.0		54.6	29-128		5.42	20	
2-Nitroaniline	29.0	5.00	"	50.0		58.1	31-122		2.62	20	
Nitrobenzene	38.0	0.250	"	50.0		76.1	32-113		19.2	20	
4-Nitrophenol	7.66	5.00	"	50.0		15.3	10-112		8.02	20	
2-Nitrophenol	30.4	5.00	"	50.0		60.8	37-97		19.3	20	
N-nitroso-di-n-propylamine	29.7	5.00	"	50.0		59.4	36-118		24.6	20	Non-dir.
N-Nitrosodimethylamine	8.22	0.500	"	50.0		16.4	10-63		34.7	20	Non-dir.
N-Nitrosodiphenylamine	42.3	5.00	"	50.0		84.6	27-145		5.07	20	
Pentachlorophenol	40.7	0.250	"	50.0		81.5	19-127		3.95	20	
Phenanthrene	38.7	0.0500	"	50.0		77.4	31-112		1.62	20	
Phenol	6.57	5.00	"	50.0		13.1	10-37		29.7	20	Non-dir.
Pyrene	33.7	0.0500	"	50.0		67.4	42-125		2.13	20	
Pyridine	4.43	5.00	"	50.0		8.86	10-46	Low Bias	29.8	20	Non-dir.
1,2,4-Trichlorobenzene	33.9	5.00	"	50.0		67.8	35-91		16.9	20	
2,4,5-Trichlorophenol	29.4	5.00	"	50.0		58.9	36-112		3.70	20	
2,4,6-Trichlorophenol	30.5	5.00	"	50.0		61.1	41-107		3.35	20	
Surrogate: 2-Fluorophenol	*13.8*		*"*	*75.0*		*18.3*	*10-53*				
Surrogate: Phenol-d5	*10.7*		*"*	*75.1*		*14.2*	*10-39*				
Surrogate: Nitrobenzene-d5	*36.6*		*"*	*50.1*		*73.0*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*30.0*		*"*	*50.0*		*60.0*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*65.8*		*"*	*75.4*		*87.3*	*10-150*				
Surrogate: Terphenyl-d14	*32.0*		*"*	*50.0*		*64.0*	*10-143*				

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 BJ40417 - EPA SW846-3510C Low Level											
Blank (BJ40417-BLK1)									Prepared: 10/08/2014 Analyzed: 10/09/2014		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
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	*0.218*		*"*	*0.200*		*109*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.206*		*"*	*0.200*		*103*	*30-120*				
LCS (BJ40417-BS1)									Prepared: 10/08/2014 Analyzed: 10/09/2014		
4,4'-DDD	0.0646	0.00400	ug/L	0.100		64.6	40-120				
4,4'-DDE	0.0906	0.00400	"	0.100		90.6	40-120				
4,4'-DDT	0.0661	0.00400	"	0.100		66.1	40-120				
Aldrin	0.0847	0.00400	"	0.100		84.7	40-120				
alpha-BHC	0.0849	0.00400	"	0.100		84.9	40-120				
beta-BHC	0.0785	0.00400	"	0.100		78.5	40-120				
gamma-Chlordane	0.0780	0.0100	"	0.100		78.0	40-120				
delta-BHC	0.0650	0.00400	"	0.100		65.0	40-120				
Dieldrin	0.0796	0.00200	"	0.100		79.6	40-120				
Endosulfan I	0.0902	0.00400	"	0.100		90.2	40-120				
Endosulfan II	0.0728	0.00400	"	0.100		72.8	40-120				
Endosulfan sulfate	0.0695	0.00400	"	0.100		69.5	40-120				
Endrin	0.0727	0.00400	"	0.100		72.7	40-120				
Endrin aldehyde	0.0698	0.0100	"	0.100		69.8	40-120				
Endrin ketone	0.0657	0.0100	"	0.100		65.7	40-120				
gamma-BHC (Lindane)	0.0756	0.00400	"	0.100		75.6	40-120				
Heptachlor	0.0748	0.00400	"	0.100		74.8	40-120				
Heptachlor epoxide	0.0771	0.00400	"	0.100		77.1	40-120				
alpha-Chlordane	0.0801	0.00400	"	0.100		80.1	40-120				
Methoxychlor	0.0538	0.00400	"	0.100		53.8	40-120				
Surrogate: Tetrachloro-m-xylene	*0.206*		*"*	*0.200*		*103*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.197*		*"*	*0.200*		*98.6*	*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 BJ40417 - EPA SW846-3510C Low Level											
LCS Dup (BJ40417-BSD1)									Prepared: 10/08/2014 Analyzed: 10/09/2014		
4,4'-DDD	0.0728	0.00400	ug/L	0.100		72.8	40-120		11.9	30	
4,4'-DDE	0.101	0.00400	"	0.100		101	40-120		11.4	30	
4,4'-DDT	0.0744	0.00400	"	0.100		74.4	40-120		11.8	30	
Aldrin	0.0933	0.00400	"	0.100		93.3	40-120		9.63	30	
alpha-BHC	0.0902	0.00400	"	0.100		90.2	40-120		6.08	30	
beta-BHC	0.0843	0.00400	"	0.100		84.3	40-120		7.14	30	
gamma-Chlordane	0.0860	0.0100	"	0.100		86.0	40-120		9.77	30	
delta-BHC	0.0699	0.00400	"	0.100		69.9	40-120		7.20	30	
Dieldrin	0.0878	0.00200	"	0.100		87.8	40-120		9.79	30	
Endosulfan I	0.100	0.00400	"	0.100		100	40-120		10.3	30	
Endosulfan II	0.0806	0.00400	"	0.100		80.6	40-120		10.2	30	
Endosulfan sulfate	0.0776	0.00400	"	0.100		77.6	40-120		11.0	30	
Endrin	0.0807	0.00400	"	0.100		80.7	40-120		10.5	30	
Endrin aldehyde	0.0786	0.0100	"	0.100		78.6	40-120		11.9	30	
Endrin ketone	0.0731	0.0100	"	0.100		73.1	40-120		10.8	30	
gamma-BHC (Lindane)	0.0810	0.00400	"	0.100		81.0	40-120		6.88	30	
Heptachlor	0.0814	0.00400	"	0.100		81.4	40-120		8.43	30	
Heptachlor epoxide	0.0845	0.00400	"	0.100		84.5	40-120		9.12	30	
alpha-Chlordane	0.0882	0.00400	"	0.100		88.2	40-120		9.71	30	
Methoxychlor	0.0607	0.00400	"	0.100		60.7	40-120		12.1	30	
Surrogate: Tetrachloro-m-xylene	*0.213*		*"*	*0.200*		*107*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.220*		*"*	*0.200*		*110*	*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 BJ40417 - EPA SW846-3510C Low Level											
Blank (BJ40417-BLK1)								Prepared & Analyzed: 10/08/2014			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.174*		*"*	*0.200*		*87.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.157*		*"*	*0.200*		*78.5*	*30-120*				
LCS (BJ40417-BS2)								Prepared & Analyzed: 10/08/2014			
Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120				
Aroclor 1260	1.10	0.0500	"	1.00		110	40-120				
Surrogate: Tetrachloro-m-xylene	*0.188*		*"*	*0.200*		*94.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.192*		*"*	*0.200*		*96.0*	*30-120*				
LCS Dup (BJ40417-BSD2)								Prepared & Analyzed: 10/08/2014			
Aroclor 1016	1.12	0.0500	ug/L	1.00		112	40-120		3.99	30	
Aroclor 1260	1.11	0.0500	"	1.00		111	40-120		1.19	30	
Surrogate: Tetrachloro-m-xylene	*0.196*		*"*	*0.200*		*98.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.179*		*"*	*0.200*		*89.5*	*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 BJ40398 - EPA 3010A											
Blank (BJ40398-BLK1)											Prepared & Analyzed: 10/07/2014
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 (BJ40398-SRM1)											Prepared & Analyzed: 10/07/2014
Aluminum - Dissolved	1.22	0.010	mg/L	1.30		93.5	82.3-115				
Antimony - Dissolved	0.705	0.005	"	0.633		111	81.4-115				
Arsenic - Dissolved	0.398	0.004	"	0.438		91.0	83.3-116				
Barium - Dissolved	0.380	0.010	"	0.365		104	84.9-115				
Beryllium - Dissolved	0.219	0.001	"	0.227		96.6	85-115				
Cadmium - Dissolved	0.321	0.003	"	0.334		96.1	85-115				
Chromium - Dissolved	0.778	0.005	"	0.797		97.6	84.9-115				
Cobalt - Dissolved	0.496	0.005	"	0.477		104	84.9-115				
Copper - Dissolved	0.176	0.003	"	0.177		99.3	84.7-115				
Iron - Dissolved	2.60	0.020	"	2.58		101	84.9-115				
Lead - Dissolved	1.46	0.003	"	1.47		99.1	85-115				
Manganese - Dissolved	0.530	0.005	"	0.538		98.4	84.9-115				
Nickel - Dissolved	1.67	0.005	"	1.71		97.7	88.3-112				
Selenium - Dissolved	0.475	0.010	"	0.521		91.3	85-115				
Silver - Dissolved	0.362	0.005	"	0.384		94.2	84.9-115				
Thallium - Dissolved	0.397	0.005	"	0.390		102	81.5-117				
Vanadium - Dissolved	1.60	0.010	"	1.68		95.0	85.1-115				
Zinc - Dissolved	1.49	0.010	"	1.53		97.3	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 BJ40398 - EPA 3010A											
Reference (BJ40398-SRM2)								Prepared & Analyzed: 10/07/2014			
Calcium - Dissolved	65.5	0.050	mg/L	62.7		104	86-114				
Magnesium - Dissolved	30.4	0.050	"	29.0		105	86.2-114				
Potassium - Dissolved	35.6	0.050	"	32.4		110	85.2-115				
Sodium - Dissolved	89.8	0.100	"	85.1		105	85-115				
Batch BJ40399 - EPA 3010A											
Blank (BJ40399-BLK1)								Prepared & Analyzed: 10/07/2014			
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 BJ40399 - EPA 3010A											
Reference (BJ40399-SRM1)								Prepared & Analyzed: 10/07/2014			
Aluminum	1.21	0.010	mg/L	1.30		93.0	82.3-115				
Antimony	0.702	0.005	"	0.633		111	81.4-115				
Arsenic	0.397	0.004	"	0.438		90.6	83.3-116				
Barium	0.378	0.010	"	0.365		103	84.9-115				
Beryllium	0.217	0.001	"	0.227		95.7	85-115				
Cadmium	0.320	0.003	"	0.334		95.9	85-115				
Chromium	0.774	0.005	"	0.797		97.1	84.9-115				
Cobalt	0.492	0.005	"	0.477		103	84.9-115				
Copper	0.176	0.003	"	0.177		99.2	84.7-115				
Iron	2.60	0.020	"	2.58		101	84.9-115				
Lead	1.45	0.003	"	1.47		98.6	85-115				
Manganese	0.526	0.005	"	0.538		97.8	84.9-115				
Nickel	1.66	0.005	"	1.71		97.0	88.3-112				
Selenium	0.478	0.010	"	0.521		91.8	85-115				
Silver	0.360	0.005	"	0.384		93.7	84.9-115				
Thallium	0.394	0.005	"	0.390		101	81.5-117				
Vanadium	1.58	0.010	"	1.68		94.0	85.1-115				
Zinc	1.47	0.010	"	1.53		96.3	85-115				
Reference (BJ40399-SRM2)								Prepared & Analyzed: 10/07/2014			
Magnesium	30.2	0.050	mg/L	29.0		104	86.2-114				
Potassium	35.6	0.050	"	32.4		110	85.2-115				
Sodium	90.5	0.100	"	85.1		106	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 BJ40280 - EPA 7473 water											
Blank (BJ40280-BLK1)											Prepared & Analyzed: 10/06/2014
Mercury	ND	0.00020	mg/L								
Mercury - Dissolved	ND	0.00020	"								
Reference (BJ40280-SRM1)											Prepared & Analyzed: 10/06/2014
Mercury - Dissolved	0.0022595		mg/L	0.00230		98.2	61.3-135				
Mercury	0.00226		mg/kg	0.00230		98.2	61.3-135				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0215-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0215-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0215-03	MW-3	250mL Plastic pH <2 w/ HNO3
14J0215-04	MW-Duplicate	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0215-05	HB-01 (0-2')	40mL Vial with Stir Bar-Cool 4° C
14J0215-06	HB-02 (0-2')	40mL Vial with Stir Bar-Cool 4° C
14J0215-07	HB-03 (0-2')	40mL Vial with Stir Bar-Cool 4° C
14J0215-08	TB-20141002	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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-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).

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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, INC.
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 unless superseded by written contract.

York Project No. 14J0215

Client Information		Report to:		Invoice To:		Client Project ID	Turn-Around Time		Report Type/Deliverables	
Company:	Ecosystems Strategies	SAME	X	SAME	X	GQ14076.20	RUSH Same Day		Summary	
Address:	24 Davis Ave	Name:		Name:	Brenda		RUSH Next Day		QA/QC Summary	✓
	Poughkeepsie, NY	Company:		Company:			RUSH Two Day		CT RCP Pkg	
Phone no.:	845-452-1658	Address:		Address:		Purchase Order no.	RUSH Three Day		ASP A Pkg	
Contact Person:	Adam						RUSH Four Day		ASP B Pkg	
E-mail Addr.:		E-mail:		E-mail			Standard (5-7 days)		Excel	
FAX No.:		Fax No.:		Fax No.:		Samples from: CT__ NY X NJ__	OTHER		EDD	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): [signature]

Name (printed): A. Atkinson

Matrix Codes: S - soil; Other - specify(oil, etc.); WW - wastewater; GW - groundwater; DW - drinking water; Air-A - ambient air; Air-SV - soil vapor

Menu: Volatiles | Semi-Vols | Pest/PCB/Herb | Metals | Misc. Org. | Full Lists | Miscellaneous Parameters

Special Instructions: Field Filtered ☐ Lab to Filter ☒

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	10-2-2014	GW	8260; 8270; 8081; 8082; TAL metals (total & dissolved)	(3) 40 mL vial w/HCl; (3) 1 Liter Amber; (1) 250 mL plastic; (1) 250 mL plastic w/nitric
MW-2	↓	↓	↓	↓
MW-3	↓	↓	↓	↓
MW-Duplicate	↓	↓	8260; TAL metals (total & dissolved)	(3) 40 mL vial; (1) 250 mL plastic; (1) 250 mL plastic w/nitric
HB-01 (0-2')	↓	S	8260;	(1) VOA kit
HB-02 (0-2')	↓	↓	↓	↓
HB-03 (0-2')	↓	↓	↓	↓
TB-20141002	↓	—	↓	(2) 40 mL vial

Comments: TAL samples not field filtered

Preservation "X" those applicable: Cool 4°C___ HNO3___ H2SO4___ NaOH___ NONE___ FROZEN___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	10-2-2014	[signature]	10-3-14 13:15

Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	10-3-14 1740

Temperature on Receipt: 4.7 °C

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Rosaura Andujar-McNeil

Report Date: 11/07/2014
Client Project ID: GQ14077.20
York Project (SDG) No.: 14J0780

Revision No. 1.0

Report Date: 11/07/2014
Client Project ID: GQ14077.20
York Project (SDG) No.: 14J0780

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Rosaura Andujar-McNeil

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 17, 2014 and listed below. The project was identified as your project: **GQ14077.20**.

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
14J0780-01	MW-4	Water	10/16/2014	10/17/2014
14J0780-02	MW-5	Water	10/16/2014	10/17/2014
14J0780-03	MW-6	Water	10/16/2014	10/17/2014
14J0780-04	MW-Dup-20141016	Water	10/16/2014	10/17/2014
14J0780-05	TB-20141016	Water	10/16/2014	10/17/2014

General Notes for York Project (SDG) No.: 14J0780

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:** 11/07/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-4** | **York Sample ID:** **14J0780-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level | **Log-in Notes:** | **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
95-63-6	**1,2,4-Trimethylbenzene**	**89**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
107-06-2	**1,2-Dichloroethane**	**6.4**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
108-67-8	**1,3,5-Trimethylbenzene**	**48**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
78-93-3	**2-Butanone**	**17**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
67-64-1	**Acetone**	**57**		ug/L	5.0	10	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
71-43-2	**Benzene**	**170**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14J0780-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
108-90-7	**Chlorobenzene**	**4.6**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
100-41-4	**Ethyl Benzene**	**49**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
98-82-8	**Isopropylbenzene**	**5.9**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
91-20-3	**Naphthalene**	**21**		ug/L	5.0	10	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
103-65-1	**n-Propylbenzene**	**6.4**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
95-47-6	**o-Xylene**	**160**		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
179601-23-1	**p- & m- Xylenes**	**360**		ug/L	2.5	5.0	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
99-87-6	**p-Isopropyltoluene**	**1.5**	J, B	ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
108-88-3	**Toluene**	**310**		ug/L	10	25	50	EPA 8260C	10/23/2014 22:11	10/23/2014 22:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS
1330-20-7	*** Xylenes, Total**	**520**		ug/L	3.0	7.5	5	EPA 8260C	10/23/2014 22:11	10/24/2014 13:49	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*93.3 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*98.4 %*	*81-117*

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14J0780-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
208-96-8	Acenaphthylene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
62-53-3	Aniline	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
120-12-7	Anthracene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
100-51-6	Benzyl alcohol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
106-47-8	4-Chloroaniline	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
95-57-8	2-Chlorophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
218-01-9	Chrysene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
132-64-9	Dibenzofuran	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
84-66-2	Diethyl phthalate	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
105-67-9	**2,4-Dimethylphenol**	**47.1**	J	ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
131-11-3	Dimethyl phthalate	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14J0780-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	5.26	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
206-44-0	Fluoranthene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
86-73-7	Fluorene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.211	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	5.26	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
67-72-1	Hexachloroethane	ND		ug/L	5.26	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
78-59-1	Isophorone	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
95-48-7	2-Methylphenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
91-20-3	Naphthalene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
100-01-6	4-Nitroaniline	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
99-09-2	3-Nitroaniline	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
88-74-4	2-Nitroaniline	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
98-95-3	Nitrobenzene	ND		ug/L	2.63	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
100-02-7	4-Nitrophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
88-75-5	2-Nitrophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	5.26	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.63	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
85-01-8	Phenanthrene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
108-95-2	Phenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
129-00-0	Pyrene	ND		ug/L	0.526	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
110-86-1	Pyridine	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	26.3	52.6	10	EPA 8270D	10/23/2014 04:18	10/24/2014 03:14	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*12.5 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*25.8 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.7 %*	*10-120*

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14J0780-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.8 %*			*10-108*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*77.3 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*51.0 %*			*10-143*						

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.115**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-38-2	**Arsenic**	**1.01**		mg/L	0.004	0.004	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-39-3	**Barium**	**0.201**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-70-2	**Calcium**	**214**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7439-89-6	**Iron**	**30.9**		mg/L	0.020	0.020	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7439-95-4	**Magnesium**	**86.8**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7439-96-5	**Manganese**	**0.780**		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-02-0	**Nickel**	**0.014**		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-09-7	**Potassium**	**39.4**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7782-49-2	**Selenium**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-23-5	**Sodium**	**119**		mg/L	0.100	0.100	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW
7440-66-6	**Zinc**	**0.012**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:44	MW

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	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	10/22/2014 16:14	10/22/2014 21:55	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-38-2	**Arsenic**	**0.808**		mg/L	0.004	0.004	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-39-3	**Barium**	**0.104**		mg/L	0.010	0.010	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14J0780-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-70-2	**Calcium**	**216**		mg/L	0.050	0.050	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7439-89-6	**Iron**	**0.221**		mg/L	0.020	0.020	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7439-95-4	**Magnesium**	**89.1**		mg/L	0.050	0.050	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7439-96-5	**Manganese**	**0.747**		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-09-7	**Potassium**	**41.2**		mg/L	0.050	0.050	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7782-49-2	**Selenium**	**0.022**		mg/L	0.010	0.010	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-23-5	**Sodium**	**122**		mg/L	0.100	0.100	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	10/22/2014 16:14	10/22/2014 21:55	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	10/23/2014 07:03	10/23/2014 13:54	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	10/23/2014 07:03	10/23/2014 13:54	ALD

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **14J0780-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **14J0780-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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	10/23/2014 16:50	10/23/2014 22:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-27-4	**Bromodichloromethane**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 14J0780-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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	10/23/2014 16:50	10/23/2014 22:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
67-66-3	**Chloroform**	**15**		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/23/2014 22:50	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*93.6 %*	*81-117*

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **14J0780-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes: **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.27**		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
218-01-9	**Chrysene**	**0.0513**	J	ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
206-44-0	**Fluoranthene**	**0.451**		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.83	5.13	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
85-01-8	**Phenanthrene**	**0.0513**	J	ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH
129-00-0	**Pyrene**	**0.0923**		ug/L	0.0513	0.0513	1	EPA 8270D	10/23/2014 04:18	10/23/2014 22:47	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.5 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*33.9 %*	*10-108*
1718-51-0	*Surrogate: Terphenyl-d14*	*54.2 %*	*10-143*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.212**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-39-3	**Barium**	**0.028**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-70-2	**Calcium**	**30.0**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 14J0780-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.332**		mg/L	0.020	0.020	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7439-92-1	**Lead**	**0.009**		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7439-95-4	**Magnesium**	**4.31**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7439-96-5	**Manganese**	**0.056**		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-09-7	**Potassium**	**3.57**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-23-5	**Sodium**	**8.73**		mg/L	0.100	0.100	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	MW
7440-66-6	**Zinc**	**0.014**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/21/2014 23:48	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	10/23/2014 07:03	10/23/2014 13:54	ALD

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 14J0780-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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	10/24/2014 08:19	10/24/2014 13:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 14J0780-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
95-63-6	**1,2,4-Trimethylbenzene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
71-43-2	**Benzene**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 14J0780-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
98-82-8	**Isopropylbenzene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
103-65-1	**n-Propylbenzene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
95-47-6	**o-Xylene**	**0.33**	J	ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
179601-23-1	**p- & m- Xylenes**	**1.8**		ug/L	0.50	1.0	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
135-98-8	**sec-Butylbenzene**	**0.21**	J, B	ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
108-88-3	**Toluene**	**0.45**	J	ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS
1330-20-7	*** Xylenes, Total**	**2.1**		ug/L	0.60	1.5	1	EPA 8260C	10/24/2014 08:19	10/24/2014 13:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.3 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*81-117*

Sample Information

Client Sample ID: **MW-6** **York Sample ID:** **14J0780-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes: **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.0800**		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
91-20-3	**Naphthalene**	**0.0500**	J	ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:18	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.3 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.2 %*	*10-108*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.3 %*	*10-143*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.039**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-39-3	**Barium**	**0.078**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-70-2	**Calcium**	**89.5**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW

Sample Information

Client Sample ID: **MW-6** **York Sample ID:** **14J0780-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.964**		mg/L	0.020	0.020	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7439-95-4	**Magnesium**	**8.92**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7439-96-5	**Manganese**	**0.148**		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-09-7	**Potassium**	**9.51**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-23-5	**Sodium**	**46.5**		mg/L	0.100	0.100	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	MW
7440-66-6	**Zinc**	**0.014**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:06	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	10/23/2014 07:03	10/23/2014 13:54	ALD

Sample Information

Client Sample ID: **MW-Dup-20141016** **York Sample ID:** **14J0780-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:** **Rep-04**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS

Sample Information

Client Sample ID: MW-Dup-20141016 **York Sample ID:** 14J0780-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes: Rep-04

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
108-86-1	Bromobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS

Sample Information

Client Sample ID: MW-Dup-20141016 **York Sample ID:** 14J0780-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes: Rep-04

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
91-20-3	Naphthalene	ND		ug/L	10	20	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
95-47-6	o-Xylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS
1330-20-7	* Xylenes, Total	ND		ug/L	6.0	15	10	EPA 8260C	10/23/2014 16:50	10/24/2014 00:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.5 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*95.0 %*	*81-117*

Sample Information

Client Sample ID: **MW-Dup-20141016** **York Sample ID:** **14J0780-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes: **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.110**		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
91-20-3	**Naphthalene**	**0.0600**		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	10/23/2014 04:18	10/23/2014 23:48	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.3 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.7 %*	*10-108*
1718-51-0	*Surrogate: Terphenyl-d14*	*60.0 %*	*10-143*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.052**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-39-3	**Barium**	**0.078**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-70-2	**Calcium**	**88.0**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-50-8	**Copper**	**0.011**		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW

Sample Information

Client Sample ID: MW-Dup-20141016 **York Sample ID:** 14J0780-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.13**		mg/L	0.020	0.020	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7439-92-1	**Lead**	**0.006**		mg/L	0.003	0.003	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7439-95-4	**Magnesium**	**8.78**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7439-96-5	**Manganese**	**0.141**		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-09-7	**Potassium**	**9.34**		mg/L	0.050	0.050	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-23-5	**Sodium**	**45.4**		mg/L	0.100	0.100	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	MW
7440-66-6	**Zinc**	**0.087**		mg/L	0.010	0.010	1	EPA 6010C	10/21/2014 16:14	10/22/2014 00:11	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	10/23/2014 07:03	10/23/2014 13:54	ALD

Sample Information

Client Sample ID: TB-20141016 **York Sample ID:** 14J0780-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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	10/23/2014 16:50	10/24/2014 00:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS

Sample Information

Client Sample ID: TB-20141016 **York Sample ID:** 14J0780-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS

Sample Information

Client Sample ID: TB-20141016 **York Sample ID:** 14J0780-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0780	GQ14077.20	Water	October 16, 2014 3:00 pm	10/17/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/23/2014 16:50	10/24/2014 00:50	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.0 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*94.8 %*	*81-117*

Analytical Batch Summary

Batch ID: BJ41099 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0780-01	MW-4	10/21/14
14J0780-02	MW-5	10/21/14
14J0780-03	MW-6	10/21/14
14J0780-04	MW-Dup-20141016	10/21/14
BJ41099-BLK1	Blank	10/21/14
BJ41099-SRM1	Reference	10/21/14
BJ41099-SRM2	Reference	10/21/14

Batch ID: BJ41160 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0780-01	MW-4	10/22/14
BJ41160-BLK1	Blank	10/22/14
BJ41160-SRM1	Reference	10/22/14
BJ41160-SRM2	Reference	10/22/14

Batch ID: BJ41176 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14J0780-01	MW-4	10/23/14
14J0780-02	MW-5	10/23/14
14J0780-03	MW-6	10/23/14
14J0780-04	MW-Dup-20141016	10/23/14
BJ41176-BLK1	Blank	10/23/14
BJ41176-BS1	LCS	10/23/14
BJ41176-BS2	LCS	10/23/14
BJ41176-BSD1	LCS Dup	10/23/14

Batch ID: BJ41179 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14J0780-01	MW-4	10/23/14
14J0780-02	MW-5	10/23/14
14J0780-03	MW-6	10/23/14
14J0780-04	MW-Dup-20141016	10/23/14
BJ41179-BLK1	Blank	10/23/14
BJ41179-DUP1	Duplicate	10/23/14
BJ41179-MS1	Matrix Spike	10/23/14
BJ41179-SRM1	Reference	10/23/14

Batch ID: BJ41257 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date

14J0780-01RE1	MW-4	10/23/14
14J0780-02	MW-5	10/23/14
14J0780-03RE1	MW-6	10/23/14
14J0780-04	MW-Dup-20141016	10/23/14
14J0780-05	TB-20141016	10/23/14
BJ41257-BLK1	Blank	10/23/14
BJ41257-BS1	LCS	10/23/14
BJ41257-BSD1	LCS Dup	10/23/14

Batch ID: BJ41279 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14J0780-01	MW-4	10/23/14
14J0780-03	MW-6	10/24/14
BJ41279-BLK1	Blank	10/24/14
BJ41279-BS1	LCS	10/24/14
BJ41279-BSD1	LCS Dup	10/24/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41257 - EPA 5030B											
Blank (BJ41257-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								

Prepared & Analyzed: 10/23/2014

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 BJ41257 - EPA 5030B											
Blank (BJ41257-BLK1)							Prepared & Analyzed: 10/23/2014				
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-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	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Surrogate: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
LCS (BJ41257-BS1)							Prepared & Analyzed: 10/23/2014				
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126				
1,1,1-Trichloroethane	12.2		"	10.0		122	78-136				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8		"	10.0		128	54-165				
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123				
1,1-Dichloroethane	12.0		"	10.0		120	82-129				
1,1-Dichloroethylene	12.3		"	10.0		123	68-138				
1,1-Dichloropropylene	11.9		"	10.0		119	83-133				
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136				
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147				
1,2-Dibromoethane	10.6		"	10.0		106	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	11.0		"	10.0		110	73-132				
1,2-Dichloropropane	10.5		"	10.0		105	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	10.5		"	10.0		105	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
2,2-Dichloropropane	10.8		"	10.0		108	56-150				
2-Butanone	9.34		"	10.0		93.4	49-152				
2-Chlorotoluene	10.9		"	10.0		109	79-130				
2-Hexanone	11.1		"	10.0		111	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145				
Acetone	9.83		"	10.0		98.3	14-150				
Benzene	11.5		"	10.0		115	85-126				
Bromobenzene	10.1		"	10.0		101	78-129				
Bromochloromethane	11.2		"	10.0		112	77-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ41257 - EPA 5030B											
LCS (BJ41257-BS1)								Prepared & Analyzed: 10/23/2014			
Bromodichloromethane	11.0		ug/L	10.0		110	79-128				
Bromoform	10.6		"	10.0		106	78-133				
Bromomethane	13.4		"	10.0		134	43-168				
Carbon disulfide	11.6		"	10.0		116	68-146				
Carbon tetrachloride	12.4		"	10.0		124	77-141				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	12.5		"	10.0		125	65-136				
Chloroform	11.4		"	10.0		114	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.6		"	10.0		106	80-130				
Dibromomethane	11.5		"	10.0		115	72-134				
Dichlorodifluoromethane	12.4		"	10.0		124	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	9.95		"	10.0		99.5	67-146				
Isopropylbenzene	11.2		"	10.0		112	76-140				
Methyl tert-butyl ether (MTBE)	11.5		"	10.0		115	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	10.7		"	10.0		107	70-147				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	21.9		"	20.0		110	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butylbenzene	11.1		"	10.0		111	77-138				
Tetrachloroethylene	11.0		"	10.0		110	82-131				
Toluene	11.1		"	10.0		111	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131				
Trichloroethylene	10.9		"	10.0		109	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	12.5		"	10.0		125	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.59*		*"*	*10.0*		*95.9*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*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 BJ41257 - EPA 5030B											
LCS Dup (BJ41257-BSD1)							Prepared & Analyzed: 10/23/2014				
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		5.64	30	
1,1,1-Trichloroethane	12.2		"	10.0		122	78-136		0.0821	30	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129		1.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9		"	10.0		129	54-165		0.466	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		1.84	30	
1,1-Dichloroethane	12.1		"	10.0		121	82-129		0.916	30	
1,1-Dichloroethylene	12.4		"	10.0		124	68-138		0.567	30	
1,1-Dichloropropylene	11.9		"	10.0		119	83-133		0.504	30	
1,2,3-Trichlorobenzene	10.9		"	10.0		109	76-136		1.95	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		2.82	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		1.33	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		1.97	30	
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147		5.22	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		3.36	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123		1.25	30	
1,2-Dichloroethane	11.6		"	10.0		116	73-132		5.40	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		0.858	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		1.03	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		1.62	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		1.05	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.12	30	
2,2-Dichloropropane	13.1		"	10.0		131	56-150		19.6	30	
2-Butanone	9.92		"	10.0		99.2	49-152		6.02	30	
2-Chlorotoluene	10.6		"	10.0		106	79-130		3.16	30	
2-Hexanone	11.2		"	10.0		112	51-146		0.990	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		1.35	30	
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145		0.268	30	
Acetone	12.1		"	10.0		121	14-150		20.8	30	
Benzene	12.2		"	10.0		122	85-126		5.97	30	
Bromobenzene	10.9		"	10.0		109	78-129		7.24	30	
Bromochloromethane	12.5		"	10.0		125	77-128		11.0	30	
Bromodichloromethane	10.7		"	10.0		107	79-128		2.58	30	
Bromoform	11.1		"	10.0		111	78-133		4.69	30	
Bromomethane	13.8		"	10.0		138	43-168		3.23	30	
Carbon disulfide	11.7		"	10.0		117	68-146		0.516	30	
Carbon tetrachloride	12.6		"	10.0		126	77-141		1.44	30	
Chlorobenzene	10.7		"	10.0		107	88-120		0.650	30	
Chloroethane	12.3		"	10.0		123	65-136		1.53	30	
Chloroform	12.2		"	10.0		122	82-128		7.21	30	
Chloromethane	12.8		"	10.0		128	43-155		4.49	30	
cis-1,2-Dichloroethylene	12.3		"	10.0		123	83-129		6.39	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		2.62	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		5.14	30	
Dibromomethane	10.8		"	10.0		108	72-134		6.35	30	
Dichlorodifluoromethane	12.1		"	10.0		121	44-144		2.04	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		4.91	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		2.38	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		3.54	30	
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	76-135		10.3	30	
Methylene chloride	11.4		"	10.0		114	55-137		7.48	30	
Naphthalene	10.9		"	10.0		109	70-147		1.48	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 BJ41257 - EPA 5030B											
LCS Dup (BJ41257-BSD1)								Prepared & Analyzed: 10/23/2014			
n-Butylbenzene	10.6		ug/L	10.0		106	79-132		1.52	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		3.63	30	
o-Xylene	10.6		"	10.0		106	78-130		3.69	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		2.07	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.02	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		1.64	30	
Styrene	11.0		"	10.0		110	67-132		1.26	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		5.29	30	
Tetrachloroethylene	10.6		"	10.0		106	82-131		3.78	30	
Toluene	10.8		"	10.0		108	80-127		2.28	30	
trans-1,2-Dichloroethylene	12.3		"	10.0		123	80-132		2.64	30	
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131		1.55	30	
Trichloroethylene	10.8		"	10.0		108	82-128		0.645	30	
Trichlorofluoromethane	12.6		"	10.0		126	67-139		3.23	30	
Vinyl Chloride	12.8		"	10.0		128	58-145		2.37	30	
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Batch BJ41279 - EPA 5030B											
Blank (BJ41279-BLK1)								Prepared & Analyzed: 10/24/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.50	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.44	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	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	0.21	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	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 BJ41279 - EPA 5030B											
Blank (BJ41279-BLK1)											Prepared & Analyzed: 10/24/2014
Bromochloromethane	ND	0.50	ug/L								
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	"								
Hexachlorobutadiene	0.56	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	0.35	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	0.25	0.50	"								
sec-Butylbenzene	0.25	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	0.21	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	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*79-122*				
Surrogate: Toluene-d8	*9.40*		*"*	*10.0*		*94.0*	*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 BJ41279 - EPA 5030B											
LCS (BJ41279-BS1)								Prepared & Analyzed: 10/24/2014			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	54-165				
1,1,2-Trichloroethane	9.57		"	10.0		95.7	82-123				
1,1-Dichloroethane	11.6		"	10.0		116	82-129				
1,1-Dichloroethylene	12.0		"	10.0		120	68-138				
1,1-Dichloropropylene	11.6		"	10.0		116	83-133				
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136				
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	45-147				
1,2-Dibromoethane	10.3		"	10.0		103	83-124				
1,2-Dichlorobenzene	9.97		"	10.0		99.7	79-123				
1,2-Dichloroethane	11.4		"	10.0		114	73-132				
1,2-Dichloropropane	10.3		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	9.77		"	10.0		97.7	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	13.0		"	10.0		130	56-150				
2-Butanone	10.5		"	10.0		105	49-152				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	8.37		"	10.0		83.7	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
4-Methyl-2-pentanone	3.82		"	10.0		38.2	57-145	Low Bias			
Acetone	10.0		"	10.0		100	14-150				
Benzene	11.5		"	10.0		115	85-126				
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	9.98		"	10.0		99.8	78-133				
Bromomethane	14.6		"	10.0		146	43-168				
Carbon disulfide	11.4		"	10.0		114	68-146				
Carbon tetrachloride	12.2		"	10.0		122	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	12.2		"	10.0		122	65-136				
Chloroform	11.5		"	10.0		115	82-128				
Chloromethane	12.8		"	10.0		128	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	9.95		"	10.0		99.5	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	12.8		"	10.0		128	44-144				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	10.7		"	10.0		107	76-140				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	76-135				
Methylene chloride	11.0		"	10.0		110	55-137				
Naphthalene	10.3		"	10.0		103	70-147				

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 BJ41279 - EPA 5030B											
LCS (BJ41279-BS1)								Prepared & Analyzed: 10/24/2014			
n-Butylbenzene	10.2		ug/L	10.0		102	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	21.0		"	20.0		105	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	10.4		"	10.0		104	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	78-131				
Trichloroethylene	10.7		"	10.0		107	82-128				
Trichlorofluoromethane	12.9		"	10.0		129	67-139				
Vinyl Chloride	13.1		"	10.0		131	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
LCS Dup (BJ41279-BSD1)								Prepared & Analyzed: 10/24/2014			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		0.195	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	78-136		4.18	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		0.0960	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165		2.15	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123		7.06	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		3.70	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		1.43	30	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133		0.0865	30	
1,2,3-Trichlorobenzene	10.9		"	10.0		109	76-136		4.31	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		1.04	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137		0.197	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		2.94	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		7.79	30	
1,2-Dibromoethane	10.6		"	10.0		106	83-124		3.26	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		3.93	30	
1,2-Dichloroethane	11.2		"	10.0		112	73-132		1.68	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		0.390	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		0.978	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		1.57	30	
1,3-Dichloropropane	9.97		"	10.0		99.7	81-125		2.03	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124		0.497	30	
2,2-Dichloropropane	12.0		"	10.0		120	56-150		8.22	30	
2-Butanone	4.08		"	10.0		40.8	49-152	Low Bias	88.2	30	Non-dir.
2-Chlorotoluene	10.7		"	10.0		107	79-130		5.26	30	
2-Hexanone	10.5		"	10.0		105	51-146		22.8	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		3.11	30	
4-Methyl-2-pentanone	10.8		"	10.0		108	57-145		95.1	30	Non-dir.
Acetone	8.64		"	10.0		86.4	14-150		14.6	30	
Benzene	11.2		"	10.0		112	85-126		2.47	30	
Bromobenzene	10.5		"	10.0		105	78-129		0.850	30	
Bromochloromethane	11.2		"	10.0		112	77-128		1.86	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		1.63	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 BJ41279 - EPA 5030B											
LCS Dup (BJ41279-BSD1)								Prepared & Analyzed: 10/24/2014			
Bromoform	10.8		ug/L	10.0		108	78-133		7.89	30	
Bromomethane	14.8		"	10.0		148	43-168		1.43	30	
Carbon disulfide	10.9		"	10.0		109	68-146		4.38	30	
Carbon tetrachloride	12.2		"	10.0		122	77-141		0.246	30	
Chlorobenzene	10.3		"	10.0		103	88-120		1.27	30	
Chloroethane	11.9		"	10.0		119	65-136		2.41	30	
Chloroform	11.4		"	10.0		114	82-128		1.31	30	
Chloromethane	12.2		"	10.0		122	43-155		4.55	30	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129		0.171	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131		1.30	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		1.04	30	
Dibromomethane	5.70		"	10.0		57.0	72-134	Low Bias	58.4	30	Non-dir.
Dichlorodifluoromethane	12.9		"	10.0		129	44-144		0.701	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		1.44	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.63	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		0.656	30	
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135		3.79	30	
Methylene chloride	10.7		"	10.0		107	55-137		2.31	30	
Naphthalene	10.9		"	10.0		109	70-147		5.09	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		1.07	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		0.192	30	
o-Xylene	10.6		"	10.0		106	78-130		0.755	30	
p- & m- Xylenes	21.2		"	20.0		106	77-133		1.04	30	
p-Isopropyltoluene	10.5		"	10.0		105	81-136		1.54	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		1.53	30	
Styrene	10.7		"	10.0		107	67-132		1.89	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		1.06	30	
Tetrachloroethylene	10.8		"	10.0		108	82-131		2.06	30	
Toluene	10.6		"	10.0		106	80-127		1.14	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		3.44	30	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131		2.86	30	
Trichloroethylene	10.4		"	10.0		104	82-128		3.42	30	
Trichlorofluoromethane	12.6		"	10.0		126	67-139		2.50	30	
Vinyl Chloride	12.2		"	10.0		122	58-145		6.48	30	
Surrogate: 1,2-Dichloroethane-d4	*9.96*		*"*	*10.0*		*99.6*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Surrogate: Toluene-d8	*9.68*		*"*	*10.0*		*96.8*	*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 BJ41176 - EPA 3510C											
Blank (BJ41176-BLK1)											
Prepared & Analyzed: 10/23/2014											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Aniline	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
2-Methylnaphthalene	ND	5.00	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Benzyl butyl phthalate	ND	5.00	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								

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 BJ41176 - EPA 3510C											
Blank (BJ41176-BLK1)											Prepared & Analyzed: 10/23/2014
2,4-Dinitrotoluene	ND	5.00	ug/L								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								
3-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	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*17.3*		*"*	*75.0*		*23.1*	*10-53*				
Surrogate: Phenol-d5	*9.93*		*"*	*75.1*		*13.2*	*10-39*				
Surrogate: Nitrobenzene-d5	*39.3*		*"*	*50.1*		*78.5*	*10-120*				
Surrogate: Nitrobenzene-d5	*39.3*		*"*	*50.1*		*78.5*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*33.8*		*"*	*50.0*		*67.5*	*10-108*				
Surrogate: 2-Fluorobiphenyl	*33.8*		*"*	*50.0*		*67.5*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*70.9*		*"*	*75.4*		*94.1*	*10-150*				
Surrogate: Terphenyl-d14	*40.2*		*"*	*50.0*		*80.4*	*10-143*				
Surrogate: Terphenyl-d14	*40.2*		*"*	*50.0*		*80.4*	*10-143*				

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 BJ41176 - EPA 3510C

LCS (BJ41176-BS1) Prepared & Analyzed: 10/23/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	44.7	0.0500	ug/L	50.0		89.3	24-114				
Acenaphthene	44.7	0.0500	"	50.0		89.3	24-114				
Acenaphthylene	40.3	0.0500	"	50.0		80.6	26-112				
Acenaphthylene	40.3	0.0500	"	50.0		80.6	26-112				
Anthracene	44.8	0.0500	"	50.0		89.5	35-114				
Aniline	16.3	5.00	"	50.0		32.7	10-107				
Benzo(a)anthracene	40.8	0.0500	"	50.0		81.6	38-127				
Anthracene	44.8	0.0500	"	50.0		89.5	35-114				
Benzo(a)pyrene	39.0	0.0500	"	50.0		78.1	30-146				
Benzo(b)fluoranthene	37.5	0.0500	"	50.0		75.0	36-145				
Benzo(g,h,i)perylene	50.6	0.0500	"	50.0		101	10-163				
Benzo(k)fluoranthene	38.8	0.0500	"	50.0		77.7	16-149				
Benzo(a)anthracene	40.8	0.0500	"	50.0		81.6	38-127				
Chrysene	40.4	0.0500	"	50.0		80.7	33-120				
Benzo(a)pyrene	39.0	0.0500	"	50.0		78.1	30-146				
Dibenzo(a,h)anthracene	53.2	0.0500	"	50.0		106	10-149				
Benzo(b)fluoranthene	37.5	0.0500	"	50.0		75.0	36-145				
Fluoranthene	46.5	0.0500	"	50.0		93.0	33-126				
Benzo(g,h,i)perylene	50.6	0.0500	"	50.0		101	10-163				
Fluorene	48.0	0.0500	"	50.0		96.0	28-117				
Indeno(1,2,3-cd)pyrene	51.3	0.0500	"	50.0		103	10-150				
2-Methylnaphthalene	43.9	5.00	"	50.0		87.7	33-101				
Benzo(k)fluoranthene	38.8	0.0500	"	50.0		77.7	16-149				
Benzyl alcohol	21.2	5.00	"	50.0		42.4	18-75				
Naphthalene	37.7	0.0500	"	50.0		75.5	30-99				
Benzyl butyl phthalate	34.4	5.00	"	50.0		68.7	28-129				
Phenanthrene	47.0	0.0500	"	50.0		94.0	31-112				
Pyrene	37.3	0.0500	"	50.0		74.5	42-125				
4-Bromophenyl phenyl ether	46.2	5.00	"	50.0		92.3	38-116				
4-Chloro-3-methylphenol	36.0	5.00	"	50.0		71.9	28-101				
4-Chloroaniline	30.7	5.00	"	50.0		61.4	10-154				
Bis(2-chloroethoxy)methane	37.9	5.00	"	50.0		75.8	27-112				
Bis(2-chloroethyl)ether	34.4	5.00	"	50.0		68.8	24-114				
Bis(2-chloroisopropyl)ether	36.9	5.00	"	50.0		73.7	21-124				
2-Chloronaphthalene	37.8	5.00	"	50.0		75.7	40-96				
2-Chlorophenol	24.0	5.00	"	50.0		48.0	35-84				
4-Chlorophenyl phenyl ether	50.1	5.00	"	50.0		100	34-112				
Chrysene	40.4	0.0500	"	50.0		80.7	33-120				
Dibenzo(a,h)anthracene	53.2	0.0500	"	50.0		106	10-149				
Dibenzofuran	41.2	5.00	"	50.0		82.3	42-105				
Di-n-butyl phthalate	42.3	5.00	"	50.0		84.7	36-110				
1,4-Dichlorobenzene	30.4	5.00	"	50.0		60.9	42-82				
1,3-Dichlorobenzene	29.1	5.00	"	50.0		58.1	45-80				
1,2-Dichlorobenzene	34.9	5.00	"	50.0		69.8	42-85				
3,3'-Dichlorobenzidine	48.4	5.00	"	50.0		96.9	25-155				
2,4-Dichlorophenol	35.8	5.00	"	50.0		71.6	43-92				
Diethyl phthalate	46.8	5.00	"	50.0		93.6	38-112				
2,4-Dimethylphenol	30.8	5.00	"	50.0		61.5	25-92				
Dimethyl phthalate	41.1	5.00	"	50.0		82.2	49-106				
4,6-Dinitro-2-methylphenol	52.6	5.00	"	50.0		105	10-135				
2,4-Dinitrophenol	39.2	5.00	"	50.0		78.4	10-149				

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 BJ41176 - EPA 3510C											
LCS (BJ41176-BS1)								Prepared & Analyzed: 10/23/2014			
2,4-Dinitrotoluene	42.2	5.00	ug/L	50.0		84.4	41-114				
2,6-Dinitrotoluene	41.2	5.00	"	50.0		82.3	49-106				
Di-n-octyl phthalate	37.3	5.00	"	50.0		74.7	12-149				
Bis(2-ethylhexyl)phthalate	41.8	0.500	"	50.0		83.6	10-171				
Fluoranthene	46.5	0.0500	"	50.0		93.0	33-126				
Fluorene	48.0	0.0500	"	50.0		96.0	28-117				
Hexachlorobenzene	48.8	0.0200	"	50.0		97.7	27-120				
Hexachlorobutadiene	42.6	0.500	"	50.0		85.1	25-106				
Hexachlorocyclopentadiene	9.25	5.00	"	50.0		18.5	10-99				
Hexachloroethane	32.5	0.500	"	50.0		65.1	33-84				
Indeno(1,2,3-cd)pyrene	51.3	0.0500	"	50.0		103	10-150				
Isophorone	36.4	5.00	"	50.0		72.9	29-115				
2-Methylnaphthalene	43.9	5.00	"	50.0		87.7	33-101				
2-Methylphenol	18.8	5.00	"	50.0		37.6	10-90				
3- & 4-Methylphenols	14.9	5.00	"	50.0		29.7	10-101				
Naphthalene	37.7	0.0500	"	50.0		75.5	30-99				
4-Nitroaniline	41.1	5.00	"	50.0		82.2	15-143				
3-Nitroaniline	33.1	5.00	"	50.0		66.1	29-128				
2-Nitroaniline	35.8	5.00	"	50.0		71.6	31-122				
Nitrobenzene	38.1	0.250	"	50.0		76.2	32-113				
4-Nitrophenol	ND	5.00	"	50.0			10-112	Low Bias			
2-Nitrophenol	35.4	5.00	"	50.0		70.9	37-97				
N-nitroso-di-n-propylamine	34.0	5.00	"	50.0		68.0	36-118				
N-Nitrosodimethylamine	11.5	0.500	"	50.0		23.0	10-63				
N-Nitrosodiphenylamine	54.0	5.00	"	50.0		108	27-145				
Pentachlorophenol	30.8	0.250	"	50.0		61.6	19-127				
Phenanthrene	47.0	0.0500	"	50.0		94.0	31-112				
Phenol	7.66	5.00	"	50.0		15.3	10-37				
Pyrene	37.3	0.0500	"	50.0		74.5	42-125				
Pyridine	5.50	5.00	"	50.0		11.0	10-46				
1,2,4-Trichlorobenzene	38.4	5.00	"	50.0		76.9	35-91				
2,4,5-Trichlorophenol	34.5	5.00	"	50.0		69.0	36-112				
2,4,6-Trichlorophenol	37.8	5.00	"	50.0		75.5	41-107				
Surrogate: 2-Fluorophenol	*20.2*		*"*	*75.0*		*27.0*	*10-53*				
Surrogate: Phenol-d5	*9.79*		*"*	*75.1*		*13.0*	*10-39*				
Surrogate: Nitrobenzene-d5	*39.6*		*"*	*50.1*		*79.0*	*10-120*				
Surrogate: Nitrobenzene-d5	*39.6*		*"*	*50.1*		*79.0*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*36.8*		*"*	*50.0*		*73.5*	*10-108*				
Surrogate: 2-Fluorobiphenyl	*36.8*		*"*	*50.0*		*73.5*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*84.4*		*"*	*75.4*		*112*	*10-150*				
Surrogate: Terphenyl-d14	*38.3*		*"*	*50.0*		*76.7*	*10-143*				
Surrogate: Terphenyl-d14	*38.3*		*"*	*50.0*		*76.7*	*10-143*				

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 BJ41176 - EPA 3510C											
LCS (BJ41176-BS2)							Prepared & Analyzed: 10/23/2014				
Acenaphthene	0.470	0.0500	ug/L	1.00		47.0	24-114				
Acenaphthene	0.470	0.0500	"	1.00		47.0	24-114				
Acenaphthylene	0.440	0.0500	"	1.00		44.0	26-112				
Acenaphthylene	0.440	0.0500	"	1.00		44.0	26-112				
Anthracene	0.530	0.0500	"	1.00		53.0	35-114				
Aniline	ND	5.00	"				10-107				
Benzo(a)anthracene	0.570	0.0500	"	1.00		57.0	38-127				
Anthracene	0.530	0.0500	"	1.00		53.0	35-114				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	30-146				
Benzo(b)fluoranthene	0.490	0.0500	"	1.00		49.0	36-145				
Benzo(g,h,i)perylene	0.610	0.0500	"	1.00		61.0	10-163				
Benzo(k)fluoranthene	0.610	0.0500	"	1.00		61.0	16-149				
Benzo(a)anthracene	0.570	0.0500	"	1.00		57.0	38-127				
Chrysene	0.650	0.0500	"	1.00		65.0	33-120				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	30-146				
Dibenzo(a,h)anthracene	0.630	0.0500	"	1.00		63.0	10-149				
Benzo(b)fluoranthene	0.490	0.0500	"	1.00		49.0	36-145				
Fluoranthene	0.570	0.0500	"	1.00		57.0	33-126				
Benzo(g,h,i)perylene	0.610	0.0500	"	1.00		61.0	10-163				
Fluorene	0.450	0.0500	"	1.00		45.0	28-117				
Indeno(1,2,3-cd)pyrene	0.620	0.0500	"	1.00		62.0	10-150				
Benzo(k)fluoranthene	0.610	0.0500	"	1.00		61.0	16-149				
Benzyl alcohol	ND	5.00	"				18-75				
Naphthalene	0.520	0.0500	"	1.00		52.0	30-99				
Benzyl butyl phthalate	ND	5.00	"				28-129				
Phenanthrene	0.460	0.0500	"	1.00		46.0	31-112				
Pyrene	0.620	0.0500	"	1.00		62.0	42-125				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
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	0.650	0.0500	"	1.00		65.0	33-120				
Dibenzo(a,h)anthracene	0.630	0.0500	"	1.00		63.0	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				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
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				

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 BJ41176 - EPA 3510C											
LCS (BJ41176-BS2)							Prepared & Analyzed: 10/23/2014				
2,6-Dinitrotoluene	ND	5.00	ug/L				49-106				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Bis(2-ethylhexyl)phthalate	14.3	0.500	"				10-171				
Fluoranthene	0.570	0.0500	"	1.00		57.0	33-126				
Fluorene	0.450	0.0500	"	1.00		45.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	0.620	0.0500	"	1.00		62.0	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	0.520	0.0500	"	1.00		52.0	30-99				
4-Nitroaniline	ND	5.00	"				15-143				
3-Nitroaniline	ND	5.00	"				29-128				
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	0.460	0.0500	"	1.00		46.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.620	0.0500	"	1.00		62.0	42-125				
Pyridine	ND	5.00	"				10-46				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*75.0*			*10-53*				
Surrogate: Phenol-d5	*0.00*		*"*	*75.1*			*10-39*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.1*			*10-120*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*10-108*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*75.4*			*10-150*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.0*			*10-143*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BJ41176 - EPA 3510C

LCS Dup (BJ41176-BSD1) Prepared & Analyzed: 10/23/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Acenaphthene	37.5	0.0500	ug/L	50.0		75.0	24-114		17.5	20	
Acenaphthene	37.5	0.0500	"	50.0		75.0	24-114		17.5	20	
Acenaphthylene	34.3	0.0500	"	50.0		68.6	26-112		16.1	20	
Acenaphthylene	34.3	0.0500	"	50.0		68.6	26-112		16.1	20	
Anthracene	38.3	0.0500	"	50.0		76.6	35-114		15.5	20	
Aniline	13.5	5.00	"	50.0		27.0	10-107		18.8	20	
Benzo(a)anthracene	35.6	0.0500	"	50.0		71.2	38-127		13.7	20	
Anthracene	38.3	0.0500	"	50.0		76.6	35-114		15.5	20	
Benzo(a)pyrene	34.3	0.0500	"	50.0		68.6	30-146		13.0	20	
Benzo(b)fluoranthene	34.6	0.0500	"	50.0		69.1	36-145		8.11	20	
Benzo(g,h,i)perylene	44.2	0.0500	"	50.0		88.3	10-163		13.7	20	
Benzo(k)fluoranthene	35.8	0.0500	"	50.0		71.5	16-149		8.26	20	
Benzo(a)anthracene	35.6	0.0500	"	50.0		71.2	38-127		13.7	20	
Chrysene	35.3	0.0500	"	50.0		70.7	33-120		13.3	20	
Benzo(a)pyrene	34.3	0.0500	"	50.0		68.6	30-146		13.0	20	
Dibenzo(a,h)anthracene	46.6	0.0500	"	50.0		93.2	10-149		13.2	20	
Benzo(b)fluoranthene	34.6	0.0500	"	50.0		69.1	36-145		8.11	20	
Fluoranthene	40.6	0.0500	"	50.0		81.3	33-126		13.4	20	
Benzo(g,h,i)perylene	44.2	0.0500	"	50.0		88.3	10-163		13.7	20	
Fluorene	40.2	0.0500	"	50.0		80.5	28-117		17.6	20	
Indeno(1,2,3-cd)pyrene	45.2	0.0500	"	50.0		90.4	10-150		12.7	20	
2-Methylnaphthalene	38.0	5.00	"	50.0		76.0	33-101		14.3	20	
Benzo(k)fluoranthene	35.8	0.0500	"	50.0		71.5	16-149		8.26	20	
Benzyl alcohol	17.9	5.00	"	50.0		35.8	18-75		17.0	20	
Naphthalene	33.9	0.0500	"	50.0		67.9	30-99		10.6	20	
Benzyl butyl phthalate	30.2	5.00	"	50.0		60.4	28-129		12.9	20	
Phenanthrene	40.6	0.0500	"	50.0		81.1	31-112		14.7	20	
Pyrene	32.4	0.0500	"	50.0		64.8	42-125		14.0	20	
4-Bromophenyl phenyl ether	40.4	5.00	"	50.0		80.9	38-116		13.2	20	
4-Chloro-3-methylphenol	30.9	5.00	"	50.0		61.9	28-101		15.0	20	
4-Chloroaniline	28.0	5.00	"	50.0		55.9	10-154		9.41	20	
Bis(2-chloroethoxy)methane	35.8	5.00	"	50.0		71.6	27-112		5.75	20	
Bis(2-chloroethyl)ether	30.3	5.00	"	50.0		60.7	24-114		12.6	20	
Bis(2-chloroisopropyl)ether	32.8	5.00	"	50.0		65.5	21-124		11.8	20	
2-Chloronaphthalene	33.1	5.00	"	50.0		66.1	40-96		13.5	20	
2-Chlorophenol	21.8	5.00	"	50.0		43.5	35-84		9.79	20	
4-Chlorophenyl phenyl ether	41.5	5.00	"	50.0		83.1	34-112		18.7	20	
Chrysene	35.3	0.0500	"	50.0		70.7	33-120		13.3	20	
Dibenzo(a,h)anthracene	46.6	0.0500	"	50.0		93.2	10-149		13.2	20	
Dibenzofuran	35.6	5.00	"	50.0		71.3	42-105		14.4	20	
Di-n-butyl phthalate	37.0	5.00	"	50.0		73.9	36-110		13.6	20	
1,4-Dichlorobenzene	29.1	5.00	"	50.0		58.1	42-82		4.67	20	
1,3-Dichlorobenzene	26.5	5.00	"	50.0		53.0	45-80		9.25	20	
1,2-Dichlorobenzene	33.4	5.00	"	50.0		66.9	42-85		4.33	20	
3,3'-Dichlorobenzidine	44.3	5.00	"	50.0		88.7	25-155		8.88	20	
2,4-Dichlorophenol	31.6	5.00	"	50.0		63.1	43-92		12.6	20	
Diethyl phthalate	40.0	5.00	"	50.0		80.0	38-112		15.6	20	
2,4-Dimethylphenol	25.6	5.00	"	50.0		51.3	25-92		18.2	20	
Dimethyl phthalate	35.8	5.00	"	50.0		71.7	49-106		13.7	20	
4,6-Dinitro-2-methylphenol	44.3	5.00	"	50.0		88.6	10-135		17.1	20	
2,4-Dinitrophenol	33.7	5.00	"	50.0		67.3	10-149		15.1	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 BJ41176 - EPA 3510C											
LCS Dup (BJ41176-BSD1)								Prepared & Analyzed: 10/23/2014			
2,4-Dinitrotoluene	38.0	5.00	ug/L	50.0		75.9	41-114		10.6	20	
2,6-Dinitrotoluene	36.3	5.00	"	50.0		72.6	49-106		12.5	20	
Di-n-octyl phthalate	32.3	5.00	"	50.0		64.6	12-149		14.5	20	
Bis(2-ethylhexyl)phthalate	36.7	0.500	"	50.0		73.4	10-171		12.9	20	
Fluoranthene	40.6	0.0500	"	50.0		81.3	33-126		13.4	20	
Fluorene	40.2	0.0500	"	50.0		80.5	28-117		17.6	20	
Hexachlorobenzene	40.8	0.0200	"	50.0		81.7	27-120		17.9	20	
Hexachlorobutadiene	38.5	0.500	"	50.0		77.0	25-106		10.0	20	
Hexachlorocyclopentadiene	8.60	5.00	"	50.0		17.2	10-99		7.28	20	
Hexachloroethane	30.0	0.500	"	50.0		60.0	33-84		8.06	20	
Indeno(1,2,3-cd)pyrene	45.2	0.0500	"	50.0		90.4	10-150		12.7	20	
Isophorone	32.9	5.00	"	50.0		65.7	29-115		10.3	20	
2-Methylnaphthalene	38.0	5.00	"	50.0		76.0	33-101		14.3	20	
2-Methylphenol	17.6	5.00	"	50.0		35.1	10-90		6.71	20	
3- & 4-Methylphenols	ND	5.00	"	50.0			10-101	Low Bias		20	
Naphthalene	33.9	0.0500	"	50.0		67.9	30-99		10.6	20	
4-Nitroaniline	33.6	5.00	"	50.0		67.2	15-143		20.1	20	Non-dir.
3-Nitroaniline	27.1	5.00	"	50.0		54.1	29-128		20.0	20	
2-Nitroaniline	30.9	5.00	"	50.0		61.8	31-122		14.6	20	
Nitrobenzene	34.8	0.250	"	50.0		69.6	32-113		9.11	20	
4-Nitrophenol	ND	5.00	"	50.0			10-112	Low Bias		20	
2-Nitrophenol	32.0	5.00	"	50.0		64.1	37-97		10.0	20	
N-nitroso-di-n-propylamine	29.8	5.00	"	50.0		59.7	36-118		13.0	20	
N-Nitrosodimethylamine	10.3	0.500	"	50.0		20.6	10-63		11.1	20	
N-Nitrosodiphenylamine	46.9	5.00	"	50.0		93.8	27-145		14.0	20	
Pentachlorophenol	27.0	0.250	"	50.0		54.0	19-127		13.0	20	
Phenanthrene	40.6	0.0500	"	50.0		81.1	31-112		14.7	20	
Phenol	ND	5.00	"	50.0			10-37	Low Bias		20	
Pyrene	32.4	0.0500	"	50.0		64.8	42-125		14.0	20	
Pyridine	4.27	5.00	"	50.0		8.54	10-46	Low Bias	25.2	20	Non-dir.
1,2,4-Trichlorobenzene	36.2	5.00	"	50.0		72.3	35-91		6.14	20	
2,4,5-Trichlorophenol	28.0	5.00	"	50.0		56.0	36-112		20.8	20	Non-dir.
2,4,6-Trichlorophenol	31.0	5.00	"	50.0		62.0	41-107		19.7	20	
Surrogate: 2-Fluorophenol	*14.6*		*"*	*75.0*		*19.5*	*10-53*				
Surrogate: Phenol-d5	*8.37*		*"*	*75.1*		*11.1*	*10-39*				
Surrogate: Nitrobenzene-d5	*36.4*		*"*	*50.1*		*72.7*	*10-120*				
Surrogate: Nitrobenzene-d5	*36.4*		*"*	*50.1*		*72.7*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*33.2*		*"*	*50.0*		*66.5*	*10-108*				
Surrogate: 2-Fluorobiphenyl	*33.2*		*"*	*50.0*		*66.5*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*74.6*		*"*	*75.4*		*98.9*	*10-150*				
Surrogate: Terphenyl-d14	*35.2*		*"*	*50.0*		*70.5*	*10-143*				
Surrogate: Terphenyl-d14	*35.2*		*"*	*50.0*		*70.5*	*10-143*				

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 BJ41099 - EPA 3010A											
Blank (BJ41099-BLK1)											Prepared & Analyzed: 10/21/2014
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	"								
Reference (BJ41099-SRM1)											Prepared & Analyzed: 10/21/2014
Aluminum	1.21	0.010	mg/L	1.30		93.3	82.3-115				
Antimony	0.715	0.005	"	0.633		113	81.4-115				
Arsenic	0.394	0.004	"	0.438		89.9	83.3-116				
Barium	0.368	0.010	"	0.365		101	84.9-115				
Beryllium	0.218	0.001	"	0.227		95.9	85-115				
Cadmium	0.314	0.003	"	0.334		94.0	85-115				
Chromium	0.744	0.005	"	0.797		93.4	84.9-115				
Cobalt	0.499	0.005	"	0.477		105	84.9-115				
Copper	0.169	0.003	"	0.177		95.6	84.7-115				
Iron	2.59	0.020	"	2.58		100	84.9-115				
Lead	1.47	0.003	"	1.47		100	85-115				
Manganese	0.545	0.005	"	0.538		101	84.9-115				
Nickel	1.63	0.005	"	1.71		95.6	88.3-112				
Selenium	0.480	0.010	"	0.521		92.1	85-115				
Silver	0.344	0.005	"	0.384		89.6	84.9-115				
Thallium	0.393	0.005	"	0.390		101	81.5-117				
Vanadium	1.57	0.010	"	1.68		93.5	85.1-115				
Zinc	1.45	0.010	"	1.53		94.6	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 BJ41099 - EPA 3010A											
Reference (BJ41099-SRM2)								Prepared & Analyzed: 10/21/2014			
Calcium	65.3	0.050	mg/L	62.7		104	86-114				
Magnesium	30.5	0.050	"	29.0		105	86.2-114				
Potassium	35.1	0.050	"	32.4		108	85.2-115				
Sodium	86.4	0.100	"	85.1		102	85-115				
Batch BJ41160 - EPA 3010A											
Blank (BJ41160-BLK1)								Prepared & Analyzed: 10/22/2014			
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	"								

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 BJ41160 - EPA 3010A											
Reference (BJ41160-SRM1)								Prepared & Analyzed: 10/22/2014			
Aluminum - Dissolved	1.19	0.010	mg/L	1.30		91.5	82.3-115				
Antimony - Dissolved	0.651	0.005	"	0.633		103	81.4-115				
Arsenic - Dissolved	0.375	0.004	"	0.438		85.6	83.3-116				
Barium - Dissolved	0.356	0.010	"	0.365		97.5	84.9-115				
Beryllium - Dissolved	0.208	0.001	"	0.227		91.7	85-115				
Cadmium - Dissolved	0.297	0.003	"	0.334		88.8	85-115				
Chromium - Dissolved	0.713	0.005	"	0.797		89.5	84.9-115				
Cobalt - Dissolved	0.477	0.005	"	0.477		99.9	84.9-115				
Copper - Dissolved	0.162	0.003	"	0.177		91.3	84.7-115				
Iron - Dissolved	2.51	0.020	"	2.58		97.3	84.9-115				
Lead - Dissolved	1.40	0.003	"	1.47		95.2	85-115				
Manganese - Dissolved	0.522	0.005	"	0.538		97.1	84.9-115				
Nickel - Dissolved	1.56	0.005	"	1.71		91.2	88.3-112				
Selenium - Dissolved	0.449	0.010	"	0.521		86.3	85-115				
Silver - Dissolved	0.336	0.005	"	0.384		87.4	84.9-115				
Thallium - Dissolved	0.368	0.005	"	0.390		94.4	81.5-117				
Vanadium - Dissolved	1.51	0.010	"	1.68		89.9	85.1-115				
Zinc - Dissolved	1.36	0.010	"	1.53		89.0	85-115				
Reference (BJ41160-SRM2)								Prepared & Analyzed: 10/22/2014			
Calcium - Dissolved	64.6	0.050	mg/L	62.7		103	86-114				
Magnesium - Dissolved	30.4	0.050	"	29.0		105	86.2-114				
Potassium - Dissolved	36.2	0.050	"	32.4		112	85.2-115				
Sodium - Dissolved	88.9	0.100	"	85.1		104	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 BJ41179 - EPA 7473 water											
Blank (BJ41179-BLK1)								Prepared & Analyzed: 10/23/2014			
Mercury	ND	0.00020	mg/L								
Mercury - Dissolved	ND	0.00020	"								
Duplicate (BJ41179-DUP1)	*Source sample: 14J0780-01 (MW-4)							Prepared & Analyzed: 10/23/2014			
Mercury - Dissolved	ND	0.00020	mg/L		ND					20	
Mercury	ND	0.00020	"		ND					20	
Matrix Spike (BJ41179-MS1)	*Source sample: 14J0780-01 (MW-4)							Prepared & Analyzed: 10/23/2014			
Mercury - Dissolved	0.00192		mg/L	0.00200	ND	96.1	75-125				
Mercury	0.00198		mg/kg	0.00200	ND	98.8	75-125				
Reference (BJ41179-SRM1)								Prepared & Analyzed: 10/23/2014			
Mercury - Dissolved	0.0020635		mg/L	0.00230		89.7	61.3-135				
Mercury	0.00206		mg/kg	0.00230		89.7	61.3-135				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0780-01	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0780-02	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0780-03	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0780-04	MW-Dup-20141016	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0780-05	TB-20141016	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

Rep-04	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting 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-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

Revision Description: This report has been revised to change client ID numbers per client.

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. 14J0780

YOUR Information
Company: ESI ecosystems Strategies
Address: 24 Davis ave Poughkeepsie NY
Phone No. 845-452-1658
Contact Person: Rosaura
E-Mail Address:

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention: Brenda
E-Mail Address:

YOUR Project ID
GQ14077-20

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
- Summary Report ___
- Summary w/ QA Summary X
- 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):

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.

Michelle Weisman
Samples Collected/Authorized By (Signature)

Michelle Weisman
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	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)
MW-01	10/16/14	GW	8260; 8270; TAL metals (total + dissolved)	(3) 40 mL vials w/ HCl (1) 1 liter amber (1) 250 mL plastic (1) 250 mL plastic w/ nitric
~~MW-02~~				
~~MW-03~~				
MW-02			8260; SVOCs: PAH list only; TAL (~~dissolved~~ total)	(3) 40 mL vials w/ HCl (1) 1 liter amber (1) 250 mL plastic (1) 250 mL plastic w/ nitric
MW-03			8260; SVOCs: PAH list only; TAL (total)	(3) 40 mL vials w/ HCl (1) 1 liter amber (1) 250 mL plastic (1) 250 mL plastic w/ nitric
*Dup-20141016	10/16/14		8260	
*TB-20141016	↓			

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

Special Instructions
Field Filtered ☐
Lab to Filter X

Comments

TAL Samples not Filtered
* Duplicate and TB added per client request: Lgulizia 10/20/14

Michelle Weisman 10/17/14 11:11
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Joseph [illegible] 10/17/14 11:11
Samples Received By — Date/Time

[illegible] 10/17/14 1530
Samples Received in LAB by — Date/Time

Temperature on Receipt 5.2 °C

ANALYTICAL REPORT

Lab Number:	L1421796
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Scott Spitzer
Phone:	(845) 452-1658
Project Name:	45-35 11TH STREET
Project Number:	GQ14076.20
Report Date:	09/30/14

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1421796-01	W-SG-01	SOIL_VAPOR	QUEENS, NY	09/16/14 14:19	09/17/14
L1421796-02	W-SG-02	SOIL_VAPOR	QUEENS, NY	09/16/14 14:18	09/17/14
L1421796-03	W-SG-03	SOIL_VAPOR	QUEENS, NY	09/16/14 15:00	09/17/14

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 45-35 11TH STREET **Lab Number:** L1421796
Project Number: GQ14076.20 **Report Date:** 09/30/14

Case Narrative (continued)

REISSUE

Report Submission

This report replaces the report previously issued on September 24, 2014. This report has been reissued to change the client IDs at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on September 15, 2014. The canister certification results are provided as an addendum.

The sample designated SG-02 (L1421796-02) had a RPD for the pre- and post-flow controller calibration check (39% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 37.9 mL/minute; the final flow rate was 56 mL/minute. The final pressure recorded by the laboratory of the associated canister was -1.4 inches of mercury.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/30/14

AIR

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-01
Client ID: W-SG-01
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/19/14 23:44
Analyst: RY

Date Collected: 09/16/14 14:19
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.258	0.200	--	1.28	0.989	--		1
Chloromethane	0.247	0.200	--	0.510	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.36	0.200	--	3.01	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	110	2.50	--	207	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	79.0	1.00	--	188	2.38	--		1
Trichlorofluoromethane	0.317	0.200	--	1.78	1.12	--		1
Isopropanol	2.49	0.500	--	6.12	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.61	0.500	--	4.88	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	6.28	0.200	--	19.6	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	11.0	0.200	--	32.4	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-01
Client ID: W-SG-01
Sample Location: QUEENS, NY
Date Collected: 09/16/14 14:19
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.62	0.200	--	4.78	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.74	0.200	--	13.2	0.705	--		1
1,1,1-Trichloroethane	0.323	0.200	--	1.76	1.09	--		1
Benzene	29.5	0.200	--	94.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.927	0.200	--	3.19	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.16	0.200	--	8.85	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.884	0.200	--	3.62	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.18	0.200	--	15.8	0.754	--		1
2-Hexanone	1.13	0.200	--	4.63	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.53	0.200	--	10.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.530	0.200	--	2.30	0.869	--		1
p/m-Xylene	1.49	0.400	--	6.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.243	0.200	--	1.03	0.852	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-01
Client ID: W-SG-01
Sample Location: QUEENS, NY
Date Collected: 09/16/14 14:19
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.846	0.200	--	3.67	0.869	--		1
4-Ethyltoluene	0.355	0.200	--	1.75	0.983	--		1
1,3,5-Trimethylbenzene	0.462	0.200	--	2.27	0.983	--		1
1,2,4-Trimethylbenzene	1.53	0.200	--	7.52	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-02
Client ID: W-SG-02
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/14 00:15
Analyst: RY

Date Collected: 09/16/14 14:18
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.231	0.200	--	1.14	0.989	--		1
Chloromethane	0.249	0.200	--	0.514	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.45	0.200	--	3.21	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.1	2.50	--	19.0	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	76.4	1.00	--	181	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	1.86	0.500	--	4.57	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.86	0.500	--	5.64	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.575	0.200	--	1.79	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	9.70	0.200	--	28.6	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-02
Client ID: W-SG-02
Sample Location: QUEENS, NY
Date Collected: 09/16/14 14:18
Date Received: 09/17/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.670	0.200	--	1.98	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.437	0.200	--	1.54	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.33	0.200	--	4.25	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.276	0.200	--	1.13	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.536	0.200	--	2.20	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.40	0.200	--	5.28	0.754	--		1
2-Hexanone	0.551	0.200	--	2.26	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.20	0.200	--	8.14	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.299	0.200	--	1.30	0.869	--		1
p/m-Xylene	1.10	0.400	--	4.78	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.236	0.200	--	1.00	0.852	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-02
Client ID: W-SG-02
Sample Location: QUEENS, NY
Date Collected: 09/16/14 14:18
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.647	0.200	--	2.81	0.869	--		1
4-Ethyltoluene	0.209	0.200	--	1.03	0.983	--		1
1,3,5-Trimethylbenzene	0.399	0.200	--	1.96	0.983	--		1
1,2,4-Trimethylbenzene	1.43	0.200	--	7.03	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-03
Client ID: W-SG-03
Sample Location: QUEENS, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/14 00:47
Analyst: RY

Date Collected: 09/16/14 15:00
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.267	0.200	--	1.32	0.989	--		1
Chloromethane	7.07	0.200	--	14.6	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.517	0.200	--	1.32	0.511	--		1
1,3-Butadiene	20.8	0.200	--	46.0	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	1.40	0.200	--	3.69	0.528	--		1
Ethanol	36.4	2.50	--	68.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	238	1.00	--	565	2.38	--		1
Trichlorofluoromethane	0.296	0.200	--	1.66	1.12	--		1
Isopropanol	7.71	0.500	--	19.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.48	0.500	--	4.49	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	5.08	0.200	--	15.8	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	25.1	0.200	--	74.0	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	1.26	0.500	--	4.54	1.80	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-03
Client ID: W-SG-03
Sample Location: QUEENS, NY
Date Collected: 09/16/14 15:00
Date Received: 09/17/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.252	0.200	--	1.23	0.977	--		1
Tetrahydrofuran	0.934	0.200	--	2.75	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.87	0.200	--	27.7	0.705	--		1
1,1,1-Trichloroethane	1.33	0.200	--	7.26	1.09	--		1
Benzene	7.84	0.200	--	25.0	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	9.17	0.200	--	31.6	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.11	0.200	--	12.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.65	0.200	--	6.76	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.92	0.200	--	11.0	0.754	--		1
2-Hexanone	1.34	0.200	--	5.49	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.443	0.200	--	1.92	0.869	--		1
p/m-Xylene	1.48	0.400	--	6.43	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.283	0.200	--	1.20	0.852	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

SAMPLE RESULTS

Lab ID: L1421796-03
Client ID: W-SG-03
Sample Location: QUEENS, NY
Date Collected: 09/16/14 15:00
Date Received: 09/17/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.866	0.200	--	3.76	0.869	--		1
4-Ethyltoluene	0.393	0.200	--	1.93	0.983	--		1
1,3,5-Trimethylbenzene	0.565	0.200	--	2.78	0.983	--		1
1,2,4-Trimethylbenzene	1.88	0.200	--	9.24	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/19/14 16:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG723694-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/19/14 16:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG723694-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20
Lab Number: L1421796
Report Date: 09/30/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/19/14 16:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG723694-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG723694-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	99		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	90		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		
Methanol	80		-		70-130	-		
Vinyl chloride	93		-		70-130	-		
1,3-Butadiene	97		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	94		-		70-130	-		
Ethyl Alcohol	91		-		70-130	-		
Dichlorofluoromethane	90		-		70-130	-		
Vinyl bromide	96		-		70-130	-		
Acrolein	89		-		70-130	-		
Acetone	102		-		70-130	-		
Acetonitrile	87		-		70-130	-		
Trichlorofluoromethane	98		-		70-130	-		
iso-Propyl Alcohol	88		-		70-130	-		
Acrylonitrile	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH STREET

Project Number: GQ14076.20

Lab Number: L1421796

Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG723694-3								
Pentane	88		-		70-130	-		
Ethyl ether	78		-		70-130	-		
1,1-Dichloroethene	93		-		70-130	-		
tert-Butyl Alcohol	86		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	91		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		
Ethyl Acetate	92		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
2,2-Dichloropropane	88		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	87		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH STREET

Project Number: GQ14076.20

Lab Number: L1421796

Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG723694-3								
1,1,1-Trichloroethane	92		-		70-130	-		
1,1-Dichloropropene	87		-		70-130	-		
Benzene	85		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	83		-		70-130	-		
Dibromomethane	84		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	83		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	89		-		70-130	-		
Methyl methacrylate	94		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	95		-		70-130	-		
4-Methyl-2-pentanone	89		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	90		-		70-130	-		
1,3-Dichloropropane	82		-		70-130	-		
2-Hexanone	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG723694-3								
Dibromochloromethane	97		-		70-130	-		
1,2-Dibromoethane	93		-		70-130	-		
Butyl Acetate	81		-		70-130	-		
Octane	82		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	89		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	91		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	90		-		70-130	-		
o-Xylene	93		-		70-130	-		
1,2,3-Trichloropropane	74		-		70-130	-		
Nonane (C9)	81		-		70-130	-		
Isopropylbenzene	86		-		70-130	-		
Bromobenzene	89		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	88		-		70-130	-		
p-Chlorotoluene	85		-		70-130	-		
4-Ethyltoluene	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 45-35 11TH STREET

Project Number: GQ14076.20

Lab Number: L1421796

Report Date: 09/30/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG723694-3								
1,3,5-Trimethylbenzene	94		-		70-130	-		
tert-Butylbenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Decane (C10)	86		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	97		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
sec-Butylbenzene	89		-		70-130	-		
p-Isopropyltoluene	86		-		70-130	-		
1,2-Dichlorobenzene	97		-		70-130	-		
n-Butylbenzene	91		-		70-130	-		
1,2-Dibromo-3-chloropropane	83		-		70-130	-		
Undecane	89		-		70-130	-		
Dodecane (C12)	96		-		70-130	-		
1,2,4-Trichlorobenzene	104		-		70-130	-		
Naphthalene	97		-		70-130	-		
1,2,3-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG723694-5 QC Sample: L1421410-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.292	0.243	ppbV	18		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	32.9	34.7	ppbV	5		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	47.8	48.3	ppbV	1		25
Trichlorofluoromethane	0.207	0.211	ppbV	2		25
iso-Propyl Alcohol	3.09	3.24	ppbV	5		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	2.22	2.29	ppbV	3		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG723694-5 QC Sample: L1421410-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	4.67	4.69	ppbV	0	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	7.12	7.12	ppbV	0	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	1.08	1.08	ppbV	0	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG723694-5 QC Sample: L1421410-01 Client ID: DUP Sample					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	0.730	0.706	ppbV	3	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.310	0.294	ppbV	5	25
2-Hexanone	0.758	0.801	ppbV	6	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	0.726	0.694	ppbV	5	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.336	0.331	ppbV	1	25
4-Ethyltoluene	0.287	0.307	ppbV	7	25
1,3,5-Trimethylbenzene	0.293	0.295	ppbV	1	25
1,2,4-Trimethylbenzene	1.21	1.24	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG723694-5 QC Sample: L1421410-01 Client ID: DUP Sample					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 45-35 11TH STREET

Lab Number: L1421796

Project Number: GQ14076.20

Report Date: 09/30/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1421796-01	W-SG-01	0156	#90 SV	09/15/14	108440		-	-	-	Pass	38.0	41	8
L1421796-01	W-SG-01	724	6.0L Can	09/15/14	108440	L1419798-02	Pass	-29.3	-6.6	-	-	-	-
L1421796-02	W-SG-02	0165	#90 SV	09/15/14	108440		-	-	-	Pass	37.9	56	39
L1421796-02	W-SG-02	969	6.0L Can	09/15/14	108440	L1419798-02	Pass	-29.6	-1.4	-	-	-	-
L1421796-03	W-SG-03	0549	#30 SV	09/15/14	108440		-	-	-	Pass	39.5	38	4
L1421796-03	W-SG-03	1515	6.0L Can	09/15/14	108440	L1419798-02	Pass	-29.4	-9.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/29/14 16:57
Analyst: RY

Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1419798

Project Number: CANISTER QC BAT **Report Date:** 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02 Date Collected: 08/28/14 16:10

Client ID: CAN 764 SHELF 53 Date Received: 08/29/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:

Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1419798

Project Number: CANISTER QC BAT **Report Date:** 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/29/14 16:57
Analyst: RY

Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1419798
Report Date: 09/30/14

Air Canister Certification Results

Lab ID: L1419798-02
Client ID: CAN 764 SHELF 53
Sample Location:
Date Collected: 08/28/14 16:10
Date Received: 08/29/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	91		60-140

Project Name: 45-35 11TH STREET
Project Number: GQ14076.20

Lab Number: L1421796
Report Date: 09/30/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1421796-01A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1421796-02A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1421796-03A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	45-35 11TH STREET	**Lab Number:**	L1421796
Project Number:	GQ14076.20	**Report Date:**	09/30/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	45-35 11TH STREET	**Lab Number:**	L1421796
Project Number:	GQ14076.20	**Report Date:**	09/30/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1421796

Client Information

Client: Ecosystems Strategies, Inc.
Address: 24 Davis Avenue
Poughkeepsie, NY 12603
Phone: 845-452-1658
Fax: 845-485-7083
Email: mail@ecosystemsstrategies.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 45-35 11th Street
Project Location: Queens, NY
Project #: GQ14076-20
Project Manager: Scott
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☒ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)
Scott@ecosystemsstrategies.com

Billing Information

☒ Same as Client info PO # GQ14076-20

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NY		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L1421796-01	SG-01	9/16	12:25	2:19	29.30	6.51	SV	AA	6L	724	0156		X						
-02	SG-02	↓	12:33	2:18	29.71	1.57	↓	↓	↓	969	0165		X						
-03	SG-03	↓	1:05	3:00	29.95	9.35	↓	↓	↓	1515	0549		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	9-17-14 1000	AAL	9/17/14 1100
	9/17/14 1830		9-17-14 1830
Tom Tobin	9-18-14 0100		9/18/14 0100

Form No: 101-02 (19-Jun-09)

APPENDIX C

Quality Assurance Project Plan

QUALITY ASSURANCE PROJECT PLAN

FOR

SITE INVESTIGATION

GDC LIC DEVELOPMENT

45-35 11th Street and 11-22 45th Road

Queens, New York

NYSDEC BCP SITE: C241172

NYSDEC SPILL NUMBER: 14-09327

October 2015

ESI File: GQ14076

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

TABLE OF CONTENTS

Attachment(s):

SCO Tables

1.0 Project Management

1.1 Project/Task Organization

The following individuals are major participants in the project. Following each project participant is their specific responsibilities and authorities for the project.

MD Hoque **New York State Department of Environmental Conservation (NYSDEC)**

MD Hoque is the Project Manager for the NYSDEC. Mr. Hoque is responsible for review and approval of all project submittals.

Paul Ciminello **President, Ecosystems Strategies, Inc. (ESI)**

Paul Ciminello, a Qualified Environmental Professional (QEP), will be responsible for overview of all project activities, including overall project management and allocation of staff and other resources required to complete the project within the specified schedule and budget. Mr. Ciminello will oversee the investigation and certify that the investigation was completed in accordance with the RIWP and DER-10.

Scott Spitzer **Director of Environmental Investigations, ESI**

Scott Spitzer will act as Project Manager on behalf of the Volunteer, and will be responsible for managing all project activities in consultation with the Remedial Engineer. Mr. Spitzer will review all project documents and ensure that project plans are followed, manage day-to-day project operations and administrative aspects, and will function as the client and regulatory contact for the project. Mr. Spitzer has authority to direct the activities of the field team (OSC and drilling subcontractor).

Richard Hooker **Quality Assurance Officer, ESI**

Richard Hooker will be responsible for reviewing all sampling procedures and certifying that the data was collected and analyzed using the appropriate procedures and will act in conjunction with the Project Manager in the development of the sampling and analytical portion of a site-specific quality assurance project plan (QAPP).

To be Determined **On-Site Coordinator (OSC) ESI**

The OSC will be responsible for the completion of all on-site fieldwork, collection of all samples, completion of the field log, and chains of custody. The OSC will have authority over all on-site subcontractors.

Drilling Subcontractor

The drilling subcontractor will be responsible for the operation of drilling equipment.

Laboratory Subcontractor

The laboratory subcontractor will be responsible for the analysis of samples. The laboratory subcontractor will be New York State Department of Health Environmental Laboratory Approved Program (ELAP) certified in the appropriate categories.

Data Validator (TBD)

An independent, third-party data validator will be responsible for reviewing and evaluating all analytical data packages and preparing Data Usability Reports in accordance with DER-10. A current resume outlining education and experience of the data validator will be provided to DER for review and approval (once the data validator has been selected).

1.2 Principal Data Users

The principal users of the generated data in this project are listed below.

- Residents of the Hunters Point section of Queens, New York, especially those residing in the vicinity of the Site
- GDC LIC Owner (Volunteer)
- NYSDEC and NYSDOH

1.3 Problem Definition/Background

The Site is a 1.148-acre parcel located at 45-35 11th Street and 11-22 45th Road, Borough of Queens, New York City, New York, which has been enrolled in the NYSDEC Brownfield Cleanup Program (BCP). Previous environmental investigations documented the presence of urban-fill soils containing elevated concentrations of SVOCs and metals, groundwater contamination by VOCs, SVOCs and metals, and soil-vapor contamination by VOCs. A spill event (No. 14-09327) has been reported based on the presence of weathered fuel oil in an on-site monitoring well. Proposed additional environmental investigation consists of the extension of mechanical borings, installation of monitoring wells, and collection of soil, groundwater and soil vapor samples.

1.4 Project/Task Description

The project will meet its objective through the following actions:

- Compliance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010; and,
- Compliance with the Remedial Investigation Work Plan (RIWP).

1.5 Quality Objectives and Criteria

The data collected in this project will be used to document soil, groundwater and soil vapor in order to sufficiently characterize environmental conditions in all on-site media.

In order to meet the data quality objectives of precision, accuracy, representation, comparability and completeness the following actions will be taken:

- Duplicate samples will be collected and analyzed in order to determine the degree to which measurements obtained under the same protocols are consistent and reproducible.
- Matrix spike samples will be collected and analyzed in order to determine accuracy for the samples.
- A trip blank sample will also be analyzed in order to detect potential contamination during sample transport of VOC samples
- A rinse blank will be prepared and analyzed for each non-dedicated piece of sampling equipment, as applicable.
- Data generated during the completion of the RIWP will be submitted for review by a third, independent party.

Prior to field activities, the Project Manager and the OSC will review the RIWP to ensure that the data quality objectives of precision, accuracy, representation, comparability and completeness will be met during the field activities. At the completion of field activities, the Project Manager will review field logs and chains of custody to ensure that field activities met the intent of the RIWP. If a problem is identified, Mr. Paul Ciminello and the Project Manager will meet to determine corrective measures necessary to meet data quality objectives.

1.6 Documents and Records

Electronic and paper copies of all measurements will be retained by ESI. Documentation of sufficient quality and quantity to represent environmental conditions at the Site will be provided to the NYSDEC in the Remedial Investigation Report (RIR), which will document all findings and results of the implementation of the RIWP.

2.0 SAMPLING AND ANALYSIS PLAN

This section of the QAPP details sampling and analysis of all field parameters and media (soil, groundwater and soil vapor samples), and identifies methods for sample collection and handling.

2.1 Sampling Overview

Borings will be extended in order to recover representative soil samples at various depths and to allow for the collection of soil vapor samples. Several borings will be completed as permanent groundwater monitoring wells to allow for the collection of reproducible groundwater quality samples.

2.2 Sampling Methods

2.2.1 General Methodology

Field parameters will be measured at boring locations (screening for volatile vapors with a PID) and at monitoring wells (vapor screening and water quality parameters during sampling) using properly calibrated precision instruments operated according to manufacturer's instructions. All media sampling will be conducted in a manner consistent with NYSDEC and/or NYSDOH sample collection protocols. All samples will be properly characterized and field screened, and findings will be recorded in logbooks.

Samples will be collected into appropriately-sized and preserved laboratory-supplied containers, using either disposable or properly decontaminated sampling equipment. The field technician will wear a new pair of disposable gloves during the collection of each sample, and will handle samples such that the potential for cross-contamination, and contamination of exterior surfaces of collection containers, is minimized (placement of media into containers will take place in a clean area remote from contaminant sources, as possible). PPE and sampling equipment will be decontaminated (as warranted) between sampling locations.

2.2.2 Soil

Twenty (20) mechanical soil borings will be extended at the Site, with additional "step out" borings extended if field evidence of contamination warrants such work. Soil samples will be collected (at a minimum) from the soil stratum intercepting the groundwater table, with additional samples collected from soil exhibiting peak field evidence of contamination (if encountered) or at soil strata corresponding to previously identified contamination in nearby boring locations (for delineation purposes).

Soil sampling will be conducted using equipment lined with disposable acetate sleeves. Samples will be collected directly from the freshly cut open sleeve, using disposable plastic trowels or properly decontaminated stainless steel instruments, or directly by the fieldwork technician using dedicated disposable latex gloves.

Soil sampling for VOC analysis will be conducted following USEPA Method 5035 protocols, using disposable 5 gram Terra Core samplers (or similar equipment) to place material into laboratory-supplied glass vials with appropriate preservatives and stir bars.

2.2.3 Groundwater

Six existing groundwater monitoring wells (MW-1 to MW-6) will be inspected and any damaged wells will be repaired or replaced and a minimum of three of the proposed borings will be completed as new wells (MW-7 to MW-9). If the soils in the vicinity of the UST in the north-central portion of the Site demonstrate contamination at the groundwater interface, an additional monitoring well (MW-10) will be located in this area.

All groundwater monitoring wells will be sampled using USEPA Low Flow methodology, as follows:

- Basic climatological data (e.g., temperature, precipitation, etc.) and all field observations will be recorded in a field logbook. Groundwater sampling will begin at the potentially least contaminated well (as determined from well location and/or previous data) and proceed to the potentially most contaminated well. New latex gloves will be worn by the sampler at each well location.
- The protective casing on the well will be unlocked, the air in the well head will be screened with a photoionization detector (PID), and the static water level (relative to the top of the casing) will be measured with a decontaminated water-level meter. The water level meter will be decontaminated with Alconox solution after gauging each well.
- A peristaltic pump and Teflon or Teflon-lined polyethylene tubing (or equivalent) will be used to sample the well. The tubing will be slowly lowered until reaching two to three feet off of the bottom to prevent disturbance and re-suspension of any residual sediment. Dedicated disposable tubing will be used at each monitoring well to eliminate the potential for cross contamination.
- The water level will be measured before the pump is started. Each well will be pumped at a rate of 200 to 500 milliliters per minute. The water level will be measured approximately every three to five minutes to ensure that stabilization (drawdown of 0.3’ or less) is achieved.
- A Horiba U-50 series water quality analyzer with flow-through cell (or similar equipment) will be used during pumping to measure field indicator parameters (turbidity, temperature, specific conductance, pH, redox potential, and dissolved oxygen), which will be monitored and recorded approximately every three to five minutes. The well will be considered stabilized when the indicator parameters have stabilized for three consecutive readings.
- Sampling will occur following stabilization of parameters by directing a gentle flow of water from the tubing directly into the sample container.

2.2.4 Soil Vapor

Soil vapor screening will be conducted at six (6) locations. The building slab will be breached with a concrete drill and a boring will be extended to an approximate depth of 18 inches. Sample tubing (0.188 inch inner diameter Teflon) with an attached "air stone" will be inserted into the boring, which will be partially filled with clean sand. The remaining upper portion of the borehole will be filled and sealed with moist clay to prevent surface air from entering the system. Vapor in the Teflon tubing will be screened with the PID for VOCs prior to purging.

A tracer gas (e.g., helium) will be used at all soil vapor sampling locations to verify that adequate sampling techniques are being implemented (i.e. to verify the absence of significant infiltration of outside air), in accordance with methodology specified in the NYSDOH GESVI. The space around the sampling point will be enclosed and sealed (with a metal hemisphere and clay) in order to introduce a tracer gas (helium) into the area surrounding the probe point. Real-time sampling equipment (Radiodetection Multi-vapor Leak Locator, model MDG 2002, or equivalent) will be utilized to determine when the interior atmosphere in the enclosure reaches a concentration of 80%, and the tubing for the vapor implant will then be sampled for the tracer gas. If helium is detected in vapor at a concentration greater than 10%, the annular seal will be repaired and gas tracing performed again until less than 10% helium is detected.

For all sampling locations, the exact purge volume will be dependent on the boring depth and subsequent length of tubing. Three borehole and tubing volumes will be purged prior to collection. The purge rate will not exceed 0.2 liters per minute.

Following purging of ambient air from the collection device, soil gas samples will be collected over a two-hour period (at a rate not exceeding 0.2 liters per minute) into individual laboratory-certified clean Summa canisters equipped with two-hour flow regulators.

2.2.5 Other Materials

Any non-soil solid materials requiring laboratory analysis will be placed into laboratory supplied glassware when possible, or will alternatively be placed into double locking plastic bags and then boxed in order to prevent a tear or other breach in the bags. Samples to be collected from liquids present in excavations, collection pits, or drums/tanks, etc., will be sampled using a dedicated disposal sampling device.

2.3 Sample Handling and Custody

2.3.1 Sample Containers

The following laboratory-supplied containers will be used for sample collection (as applicable):

Media Sample	Collection Container
Soil – VOCs	USEPA 5035 VOA kit (4, 40-ml glass vials)
Soil – all other analyses (metals, pesticides, PCBs, SVOCs)	1, 8-oz glass jar
Soil – duplicate and MS/MSD samples	1 additional 8-oz glass jar
Water – groundwater quality samples	3, 40-ml prepared glass vials (HCl) – VOCs 1, 1-liter glass – SVOCs, pesticides/PCBs

Media Sample	Collection Container
Water – equipment rinse blank	3, 40-ml prepared glass vials (HCl) – VOCs 1, 1-liter glass – SVOCs, TPH-DRO
Water – trip blank	3, 40-ml prepared glass vials (HCl)
Vapor – VOCs	1, 2.7-liter Summa canister (or equivalent)
Vapor – VOCs (duplicate samples)	1, 2.7-liter Summa canister (or equivalent)

2.3.2 Sampling Frequency

All boring locations will be sampled for soil. Based on 20 soil boring locations and the potential collection of samples from both the interval intercepting the groundwater table and a potential interval exhibiting peak field evidence of contamination, a maximum of 40 soil samples may be submitted for laboratory analysis of TCL organic compounds and TAL metals. At least 4 soil samples will also be analyzed for pesticides and PCBs.

Six soil vapor implants will be sampled for VOCs in soil vapor.

All groundwater monitoring wells will be sampled at least once (existing [or replacement] wells MW-1 through MW-6 and newly installed wells MW-7 through MW-9 [and MW-10 if constructed]) for analysis of TCL organic compounds and TAL metals.

The proposed number of soil boring and soil vapor implant locations, and construction of new monitoring wells, is summarized below (the actual number of borings extended and wells completed may be higher, based on encountered field conditions).

Quantity	Fieldwork Element	Purpose
20	Extend Soil Borings	Collect soil samples from multiple depth
3 - 4	Install Monitoring Wells	Collect Groundwater Samples from Permanent Locations
1 - 6	Repair or Replace Existing Monitoring Wells	Collect Groundwater Samples from Permanent Locations
6	Install Soil Vapor Implants	Collect Soil Vapor Samples

The estimated approximate number of samples to be collected is outlined below (the actual number of samples may vary based on conditions encountered during the investigation.

Media / QC Parameter	Number of Collection Points (Number of Samples)	Analyte(s)
Soil	20 to 40**	VOCs and SVOCs (TCL+30, 8260/8270) metals (TAL, 6010C and 7471A)
Soil	4	pesticides/PCBs (8081/8082)
Groundwater	9 to 10	VOCs and SVOCs (TCL+30, 8260/8270), metals (TAL, 6010C and 7471A)
Soil Vapor	6	VOCs (TCL, TO-15)
Trip Blank	One per sample cooler per day (when samples are collected)	VOCs (TCL+10, 8260)
Rinse Blank	One per 20 samples collected (non-dedicated equipment only)	As per the analyte list(s) for the sample type
Duplicates & MS/MSD	One/20 samples collected (minimum one/week)	As per the analyte list(s) for the sample type
** Assumes a minimum of one soil sample from each of 20 borings, with a possible second sample collected based on overt field evidence of contamination (maximum of 40 samples).		

2.3.3 Sample Custody

Samples will be handled by the OSC. All soil and groundwater samples will be placed in a sample cooler that is maintained at 4 (+/-2) °C. All soil vapor sampling canisters will be kept in a cool, dry environment.

For each sampling day, sampling personnel will be required to complete a sampling custody worksheet indicating all pertinent information about the samples collected, handling methods, name of the collector, and chain of custody (which will require a Category B Data Deliverable). Upon the completion of each day of sample collection activities, all samples will be shipped via either courier or overnight delivery (per laboratory requirements) to a NYSDOH ELAP certified laboratory. Laboratory personnel will record the cooler temperature upon receipt and analyze the samples prior to the expiration of the hold times as specified in the NYSDEC Analytical Service Protocol.

2.4 Analytical Methods

Media samples will be analyzed as indicated in Section 2.3.2, above. Analytical methods for the samples will be implemented as follows:

Matrix	Sample Analysis (Holding Time)	Analytical Method	Recommended Number of Container(s) Per Sample	Preservation
Soil	TCL VOCs+10 (14 days)	8260C	4, 40-ml vials (laboratory 5035 VOA kit)	Preserved per Method 5035
Soil	TCL SVOCs+20 (14 days)	8270B	1, 8 oz. glass jar**	4° C
Soil	TAL metals (28 days)	6010C/7471B	1, 8 oz. glass jar**	4° C
Soil	Pesticides/PCBs (14 days)	8081/8082	1, 8 oz. glass jar**	4° C
Water	TCL VOCs+10 (14 days)	8260C	3, 40-ml VOA vials	4° C, HCl
Water	TCL SVOCs+20 (14 days)	8270B	2, 1-liter glass	4° C
Water	TAL metals (28 days)	6010C/7471B	1, 500-ml plastic	4° C, HNO_3
Soil Vapor	VOCs (30 days)	TO-15	1, stainless air sampling canister	Ambient temperature
** Soil for SVOC, metals and pesticides/PCBs may be combined into a single 8 oz. jar, or collected separately in 4 oz. jars.				

2.5 Quality Control

Accuracy and precision will be determined by repeated analysis of laboratory standards, and matrix effects and recovery will be determined through use of spiked samples. With each sample run, standards, blanks and spiked samples will be run.

One duplicate sample will be collected for every 20 matrix samples (or one per week). One in 20 samples will also be submitted for Matrix spike (MS) and Matrix Spike Duplicate (MSD) analysis. One rinse blank will be prepared for each non-dedicated piece of sampling equipment for every 20 analytical samples collected using that piece of equipment. For each day of sampling, a trip blank will be included with each sample cooler (analyzed for VOCs, only). Equipment blanks and duplicate samples will be analyzed for all parameters.

Samples will be identified using a unique ID number. This ID will be recorded on the sampling log and/or field record and the sampling container. Samples for each day of fieldwork will be assigned to a Sample Delivery Group (SDG) for that day and will be shipped via either courier or overnight delivery to the laboratory following proper chain of custody procedure, as described above.

3.0 Quality Assurance

3.1 Instrument/Equipment, Testing, Inspection, and Maintenance

Field measurements will be conducted using monitoring equipment specialized for each task, including use of a PID during all fieldwork events to screen for volatile organic vapors. All instruments will be stored at ESI offices when not in use. All instruments will be calibrated (as warranted) in accordance with the manufacturer's instructions. Instrument malfunction is normally apparent during calibration. In the event of malfunction, equipment will be cleaned and tested. Equipment testing, inspection and maintenance will be the responsibility of the Project Manager and OSC for the project. Any other equipment selected for field measurements will be similarly managed.

3.2 Inspection/Acceptance of Supplies and Consumables

All supplies and consumables will be inspected and tested (if necessary) by either the Project Manager or the OSC upon receipt. The following supplies and consumables will be used:

- Soil samples: Four 40-ml vials (laboratory-supplied 5035 VOA kits) will be used for each sample collected for analysis of VOCs and one 4-oz clear glass jar will be used for each sample collected for analysis of SVOCs, metals and/or pesticides/PCBs. Duplicate samples will each require one additional sample volume.
- Water samples: Sample containers (per sample) will consist of three 40-ml glass vials (preserved with HCl) for VOCs, two 1-liter glass jars for SVOCs, and one 250-ml plastic jar (preserved with HNO3) for metals.
- Disposable gloves (nitrile or equivalent).
- Distilled water (for decontamination and the preparation of blanks).

3.3 Data Management

For the purpose of data management, the data can be divided into field and laboratory data. Field data will be recorded at the time of measurement on written field logs. Laboratory data will be reviewed upon receipt and summarized in data summary tables.

4.0 DATA VALIDATION AND USABILITY

4.1 Data Review, Verification and Validation

Data generated by this project will be reviewed, verified and validated as follows:

4.1.1 Field Measurements

If field instruments are determined to be functioning correctly through calibration and measurements of standards, and if there are no inconsistencies between written records and data recorded in the meters, the data will be assumed to be valid and will be accepted as an indication of field conditions. If

instruments malfunction prior to field measurement, they will be restored to proper function prior to re-use. If they malfunction immediately after field measurements are taken, the measurements will be retaken as soon as possible. Inconsistencies between written records and recorded meter data will be resolved by re-testing the material, if possible. If re-testing is not possible, (e.g., a sample has been shipped to the laboratory), the inconsistency will be described in the final RIR and the laboratory analysis will be utilized to classify the material. In addition, all field data will be reviewed by the Project Manager for consistency and plausibility.

4.1.2 Laboratory Analysis

A NYSDOH ELAP-certified laboratory will provide a NYSDEC ASP Category B data package for the determinative sample analyses, as described in Section 2 of DER-10 and the July 2005 NYSDEC ASP.

4.1.3 Soil Cleanup Objectives (SCOs)

The SCOs for this BCP Site are provided in 6 NYCRR Subpart 375, Table 375-6.8(b) Restricted-Residential Use SCOs, and in Supplemental SCOs and Soil Cleanup Levels presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010), Tables 1 through 3. Copies of these tables are provided as an attachment to this QAPP.

4.2 Verification and Validation Methods

4.2.1 Verification Method

Once collected, all data will go to the Project Manager for review and verification. Review will involve determining that all data has been collected at the proper locations by the proper persons and that all field and laboratory logs are complete. In addition, a Data Usability Summary Report (DUSR) in accordance with DER-10, Appendix 2B, will be prepared by a third, independent party, which maintains NYSDOH ELAP CLP Certification (the DUSR will also include a current resume for the person who prepared it).

4.2.2 Authority for Verification

Authority for verification, validation and resolution of data issues will be distributed among the investigators. Authority to resolve issues regarding verification of field measurements will rest with the Project Manager and Mr. Paul Ciminello.

4.2.3 Project Reports

Following review, validation and verification, all data will be conveyed to users via a final RIR documenting the findings and results of the implementation of the RIWP. This report will include the following:

- All laboratory analytical results obtained from the sampling event(s), summarized in tables and provided in NYSDEC EDD format (EquIS).
- A detailed account of any deviations from field procedures specified in the RIWP.
- A complete set of field notes and/or Field Observation Tables.
- Results of the DUSR review of all laboratory results.

Attachment – SCO Tables

Department of Environmental Conservation

Division of Environmental Remediation

6 NYCRR PART 375

Environmental Remediation Programs

Subparts 375-1 to 375- 4 & 375-6

Effective December 14, 2006

New York State Department of Environmental Conservation

375-6.8 Soil cleanup objective tables.

(a) Unrestricted use soil cleanup objectives.

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
Metals		
Arsenic	7440-38-2	13 [c]
Barium	7440-39-3	350 [c]
Beryllium	7440-41-7	7.2
Cadmium	7440-43-9	2.5 [c]
Chromium, hexavalent [e]	18540-29-9	1[b]
Chromium, trivalent [e]	16065-83-1	30 [c]
Copper	7440-50-8	50
Total Cyanide [e, f]		27
Lead	7439-92-1	63 [c]
Manganese	7439-96-5	1600 [c]
Total Mercury		0.18 [c]
Nickel	7440-02-0	30
Selenium	7782-49-2	3.9[c]
Silver	7440-22-4	2
Zinc	7440-66-6	109 [c]
PCBs/Pesticides		
2,4,5-TP Acid (Silvex) [f]	93-72-1	3.8
4,4'-DDE	72-55-9	0.0033 [b]
4,4'-DDT	50-29-3	0.0033 [b]
4,4'-DDD	72-54-8	0.0033 [b]
Aldrin	309-00-2	0.005 [c]
alpha-BHC	319-84-6	0.02
beta-BHC	319-85-7	0.036
Chlordane (alpha)	5103-71-9	0.094

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
delta-BHC [g]	319-86-8	0.04
Dibenzofuran [f]	132-64-9	7
Dieldrin	60-57-1	0.005 [c]
Endosulfan I [d, f]	959-98-8	2.4
Endosulfan II [d, f]	33213-65-9	2.4
Endosulfan sulfate [d, f]	1031-07-8	2.4
Endrin	72-20-8	0.014
Heptachlor	76-44-8	0.042
Lindane	58-89-9	0.1
Polychlorinated biphenyls	1336-36-3	0.1
Semivolatile organic compounds		
Acenaphthene	83-32-9	20
Acenapthylene [f]	208-96-8	100 [a]
Anthracene [f]	120-12-7	100 [a]
Benz(a)anthracene [f]	56-55-3	1 [c]
Benzo(a)pyrene	50-32-8	1 [c]
Benzo(b)fluoranthene [f]	205-99-2	1 [c]
Benzo(g,h,i)perylene [f]	191-24-2	100
Benzo(k)fluoranthene [f]	207-08-9	0.8 [c]
Chrysene [f]	218-01-9	1 [c]
Dibenz(a,h)anthracene [f]	53-70-3	0.33 [b]
Fluoranthene [f]	206-44-0	100 [a]
Fluorene	86-73-7	30
Indeno(1,2,3-cd)pyrene [f]	193-39-5	0.5 [c]
m-Cresol [f]	108-39-4	0.33 [b]
Naphthalene [f]	91-20-3	12
o-Cresol [f]	95-48-7	0.33 [b]

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
p-Cresol [f]	106-44-5	0.33 [b]
Pentachlorophenol	87-86-5	0.8 [b]
Phenanthrene [f]	85-01-8	100
Phenol	108-95-2	0.33 [b]
Pyrene [f]	129-00-0	100
Volatile organic compounds		
1,1,1-Trichloroethane [f]	71-55-6	0.68
1,1-Dichloroethane [f]	75-34-3	0.27
1,1-Dichloroethene [f]	75-35-4	0.33
1,2-Dichlorobenzene [f]	95-50-1	1.1
1,2-Dichloroethane	107-06-2	0.02 [c]
cis -1,2-Dichloroethene [f]	156-59-2	0.25
trans-1,2-Dichloroethene [f]	156-60-5	0.19
1,3-Dichlorobenzene [f]	541-73-1	2.4
1,4-Dichlorobenzene	106-46-7	1.8
1,4-Dioxane	123-91-1	0.1 [b]
Acetone	67-64-1	0.05
Benzene	71-43-2	0.06
n-Butylbenzene [f]	104-51-8	12
Carbon tetrachloride [f]	56-23-5	0.76
Chlorobenzene	108-90-7	1.1
Chloroform	67-66-3	0.37
Ethylbenzene [f]	100-41-4	1
Hexachlorobenzene [f]	118-74-1	0.33[b]
Methyl ethyl ketone	78-93-3	0.12
Methyl tert-butyl ether [f]	1634-04-4	0.93
Methylene chloride	75-09-2	0.05

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
n - Propylbenzene [f]	103-65-1	3.9
sec-Butylbenzene [f]	135-98-8	11
tert-Butylbenzene [f]	98-06-6	5.9
Tetrachloroethene	127-18-4	1.3
Toluene	108-88-3	0.7
Trichloroethene	79-01-6	0.47
1,2,4-Trimethylbenzene [f]	95-63-6	3.6
1,3,5-Trimethylbenzene[f]	108-67-8	8.4
Vinyl chloride[f]	75-01-4	0.02
Xylene (mixed)	1330-20-7	0.26

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Footnotes

[a] The SCOs for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), section 9.3.

[b] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

[c] For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

[d] SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

[e] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[f] Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with “NS”. Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

(b) Restricted use soil cleanup objectives.

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
Metals							
Arsenic	7440-38-2	16[f]	16[f]	16[f]	16[f]	13[f]	16[f]
Barium	7440-39-3	350[f]	400	400	10,000 [d]	433	820
Beryllium	7440-41-7	14	72	590	2,700	10	47
Cadmium	7440-43-9	2.5[f]	4.3	9.3	60	4	7.5
Chromium, hexavalent [h]	18540-29-9	22	110	400	800	1[e]	19
Chromium, trivalent [h]	16065-83-1	36	180	1,500	6,800	41	NS
Copper	7440-50-8	270	270	270	10,000 [d]	50	1,720
Total Cyanide [h]		27	27	27	10,000 [d]	NS	40
Lead	7439-92-1	400	400	1,000	3,900	63[f]	450
Manganese	7439-96-5	2,000[f]	2,000[f]	10,000 [d]	10,000 [d]	1600[f]	2,000[f]
Total Mercury		0.81[j]	0.81[j]	2.8[j]	5.7[j]	0.18[f]	0.73
Nickel	7440-02-0	140	310	310	10,000 [d]	30	130
Selenium	7782-49-2	36	180	1,500	6,800	3.9[f]	4[f]
Silver	7440-22-4	36	180	1,500	6,800	2	8.3
Zinc	7440-66-6	2200	10,000 [d]	10,000 [d]	10,000 [d]	109[f]	2,480
PCBs/Pesticides							
2,4,5-TP Acid (Silvex)	93-72-1	58	100[a]	500[b]	1,000[c]	NS	3.8
4,4'-DDE	72-55-9	1.8	8.9	62	120	0.0033 [e]	17
4,4'-DDT	50-29-3	1.7	7.9	47	94	0.0033 [e]	136
4,4'- DDD	72-54-8	2.6	13	92	180	0.0033 [e]	14
Aldrin	309-00-2	0.019	0.097	0.68	1.4	0.14	0.19
alpha-BHC	319-84-6	0.097	0.48	3.4	6.8	0.04[g]	0.02
beta-BHC	319-85-7	0.072	0.36	3	14	0.6	0.09
Chlordane (alpha)	5103-71-9	0.91	4.2	24	47	1.3	2.9

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
delta-BHC	319-86-8	100[a]	100[a]	500[b]	1,000[c]	0.04[g]	0.25
Dibenzofuran	132-64-9	14	59	350	1,000[c]	NS	210
Dieldrin	60-57-1	0.039	0.2	1.4	2.8	0.006	0.1
Endosulfan I	959-98-8	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan II	33213-65-9	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan sulfate	1031-07-8	4.8[i]	24[i]	200[i]	920[i]	NS	1,000[c]
Endrin	72-20-8	2.2	11	89	410	0.014	0.06
Heptachlor	76-44-8	0.42	2.1	15	29	0.14	0.38
Lindane	58-89-9	0.28	1.3	9.2	23	6	0.1
Polychlorinated biphenyls	1336-36-3	1	1	1	25	1	3.2
Semivolatiles							
Acenaphthene	83-32-9	100[a]	100[a]	500[b]	1,000[c]	20	98
Acenapthylene	208-96-8	100[a]	100[a]	500[b]	1,000[c]	NS	107
Anthracene	120-12-7	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benz(a)anthracene	56-55-3	1[f]	1[f]	5.6	11	NS	1[f]
Benzo(a)pyrene	50-32-8	1[f]	1[f]	1[f]	1.1	2.6	22
Benzo(b)fluoranthene	205-99-2	1[f]	1[f]	5.6	11	NS	1.7
Benzo(g,h,i)perylene	191-24-2	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benzo(k)fluoranthene	207-08-9	1	3.9	56	110	NS	1.7
Chrysene	218-01-9	1[f]	3.9	56	110	NS	1[f]
Dibenz(a,h)anthracene	53-70-3	0.33[e]	0.33[e]	0.56	1.1	NS	1,000[c]
Fluoranthene	206-44-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Fluorene	86-73-7	100[a]	100[a]	500[b]	1,000[c]	30	386
Indeno(1,2,3-cd)pyrene	193-39-5	0.5[f]	0.5[f]	5.6	11	NS	8.2
m-Cresol	108-39-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
Naphthalene	91-20-3	100[a]	100[a]	500[b]	1,000[c]	NS	12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
o-Cresol	95-48-7	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
p-Cresol	106-44-5	34	100[a]	500[b]	1,000[c]	NS	0.33[e]
Pentachlorophenol	87-86-5	2.4	6.7	6.7	55	0.8[e]	0.8[e]
Phenanthrene	85-01-8	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Phenol	108-95-2	100[a]	100[a]	500[b]	1,000[c]	30	0.33[e]
Pyrene	129-00-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Volatiles							
1,1,1-Trichloroethane	71-55-6	100[a]	100[a]	500[b]	1,000[c]	NS	0.68
1,1-Dichloroethane	75-34-3	19	26	240	480	NS	0.27
1,1-Dichloroethene	75-35-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33
1,2-Dichlorobenzene	95-50-1	100[a]	100[a]	500[b]	1,000[c]	NS	1.1
1,2-Dichloroethane	107-06-2	2.3	3.1	30	60	10	0.02[f]
cis-1,2-Dichloroethene	156-59-2	59	100[a]	500[b]	1,000[c]	NS	0.25
trans-1,2-Dichloroethene	156-60-5	100[a]	100[a]	500[b]	1,000[c]	NS	0.19
1,3-Dichlorobenzene	541-73-1	17	49	280	560	NS	2.4
1,4-Dichlorobenzene	106-46-7	9.8	13	130	250	20	1.8
1,4-Dioxane	123-91-1	9.8	13	130	250	0.1[e]	0.1[e]
Acetone	67-64-1	100[a]	100[b]	500[b]	1,000[c]	2.2	0.05
Benzene	71-43-2	2.9	4.8	44	89	70	0.06
Butylbenzene	104-51-8	100[a]	100[a]	500[b]	1,000[c]	NS	12
Carbon tetrachloride	56-23-5	1.4	2.4	22	44	NS	0.76
Chlorobenzene	108-90-7	100[a]	100[a]	500[b]	1,000[c]	40	1.1
Chloroform	67-66-3	10	49	350	700	12	0.37
Ethylbenzene	100-41-4	30	41	390	780	NS	1
Hexachlorobenzene	118-74-1	0.33[e]	1.2	6	12	NS	3.2
Methyl ethyl ketone	78-93-3	100[a]	100[a]	500[b]	1,000[c]	100[a]	0.12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
Methyl tert-butyl ether	1634-04-4	62	100[a]	500[b]	1,000[c]	NS	0.93
Methylene chloride	75-09-2	51	100[a]	500[b]	1,000[c]	12	0.05
n-Propylbenzene	103-65-1	100[a]	100[a]	500[b]	1,000[c]	NS	3.9
sec-Butylbenzene	135-98-8	100[a]	100[a]	500[b]	1,000[c]	NS	11
tert-Butylbenzene	98-06-6	100[a]	100[a]	500[b]	1,000[c]	NS	5.9
Tetrachloroethene	127-18-4	5.5	19	150	300	2	1.3
Toluene	108-88-3	100[a]	100[a]	500[b]	1,000[c]	36	0.7
Trichloroethene	79-01-6	10	21	200	400	2	0.47
1,2,4-Trimethylbenzene	95-63-6	47	52	190	380	NS	3.6
1,3,5- Trimethylbenzene	108-67-8	47	52	190	380	NS	8.4
Vinyl chloride	75-01-4	0.21	0.9	13	27	NS	0.02
Xylene (mixed)	1330-20-7	100[a]	100[a]	500[b]	1,000[c]	0.26	1.6

All soil cleanup objectives (SCOs) are in parts per million (ppm).
NS=Not specified. See Technical Support Document (TSD).

Footnotes

[a] The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[g] This SCO is derived from data on mixed isomers of BHC.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

[j] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

CP-51 / Soil Cleanup Guidance

New York State Department of Environmental Conservation

DEC Policy

Issuing Authority: Alexander B. Grannis, Commissioner

Date Issued: October 21, 2010	**Latest Date Revised:**

I. Summary

This policy provides the framework and procedures for the selection of soil cleanup levels appropriate for each of the remedial programs in the New York State Department of Environmental Conservation (DEC) Division of Environmental Remediation (DER). This policy applies to the Inactive Hazardous Waste Disposal Site Remedial Program, known as the State Superfund Program (SSF); Brownfield Cleanup Program (BCP); Voluntary Cleanup Program (VCP); Environmental Restoration Program (ERP); Spill Response Program - Navigation Law (NL) section 176 (SRP); and the Resource Conservation and Recovery Act (RCRA) Corrective Action Program. It replaces *Technical and Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels* (January 24, 1994); the *Petroleum Site Inactivation and Closure Memorandum* (February 23, 1998); and Sections III and IV of *Spill Technology and Remediation Series (STARS) #1* (August 1992).

This document is used in conjunction with the applicable statutes, regulations and guidance. Site-specific soil cleanup levels, determined in accordance with this guidance, are only applied after:

- the site, or area of concern, is fully investigated to determine the nature and extent of contamination;
- all sources of contamination are addressed consistent with the hierarchy provided in 6 NYCRR 375-1.8(c) or consistent with the RCRA Corrective Action Program (as appropriate);
- groundwater, if contaminated, has been evaluated for appropriate remedial actions consistent with 6 NYCRR 375-1.8(d) or consistent with the RCRA Corrective Action Program (as appropriate); and
- impacts on adjacent residential properties, surface water, aquatic ecological resources are evaluated, as well as indoor air, soil vapor, vapor intrusion and other appropriate media.

II. Policy

It is DEC's policy, consistent with applicable statutes and regulations, that all remedies will be protective of public health and the environment. DEC's preference is that remedial programs, including the selection of soil cleanup levels, be designed such that the performance standard results in the implementation of a permanent remedy resulting in no future land use restrictions. However, some of

Table 1

Supplemental Soil Cleanup Objectives
(ppm)

Contaminant	CAS Number	Residential	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Ground-water
METALS							
Aluminum	7429-90-5					10,000 [a,b]	
Antimony	7440-36-0					12[c]	
Boron	7440-42-8					0.5	
Calcium	7440-70-2					10,000 [a,b]	
Cobalt	7440-48-4	30				20	
Iron	7439-89-6	2,000					
Lithium	7439-93-2					2	
Molybdenum	7439-98-7					2	
Technetium	7440-26-8					0.2	
Thallium	7440-28-0					5[c]	
Tin	7440-31-5					50	
Uranium	7440-61-1					5	
Vanadium	7440-62-2	100[a]				39[b]	
PESTICIDES							
Biphenyl	92-52-4					60	
Chlordecone (Kepone)	143-50-0					0.06	
Dibenzofuran	132-64-9						6.2
2,4-D (2,4-Dichloro-phenoxyacetic acid)	94-75-7	100[a]					0.5
Furan	110-00-9					600	
Gamma Chlordane	5103-74-2	0.54					14
Heptachlor Epoxide	1024-57-3	0.077					0.02
Methoxychlor	72-43-5	100[a]				1.2	900

Contaminant	CAS Number	Residential	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Ground-water
Parathion	56-38-2	100 [a]					1.2
2,4,5-T	93-76-5	100 [a]					1.9
2,3,7,8-TCDD	1746-01-6					0.000001	
2,3,7,8-TCDF	51207-31-9					0.000001	
SEMIVOLATILE ORGANIC COMPOUNDS							
Aniline	62-53-3	48	100[a]	500[a]	1000[a]		0.33[b]
Bis(2-ethylhexyl) phthalate	117-81-7	50				239	435
Benzoic Acid	65-85-0	100[a]					2.7
Butylbenzyl-phthalate	85-68-7	100 [a]					122
4-Chloroaniline	106-47-8	100 [a]					0.22
Chloroethane	75-00-3						1.9
2-Chlorophenol	95-57-8	100 [a]				0.8	
3-Chloroaniline	108-42-9					20	
3-Chlorophenol	108-43-0					7	
Di-n-butyl-phthalate	84-74-2	100 [a]				0.014	8.1
2,4-Dichlorophenol	120-83-2	100 [a]				20	0.40
3,4-Dichlorophenol	95-77-2					20	
Diethylphthalate	84-66-2	100 [a]				100	7.1
Di-*n*-hexyl-phthalate	84-75-3					0.91	
2,4-Dinitrophenol	51-28-5	100 [a]				20	0.2
Dimethylphthlate	131-11-3	100 [a]				200	27
Di-n-octylphthlate	117-84-0	100 [a]					120
1,2,3,6,7,8-HCDF	57117-44-9					0.00021	
Hexachloro-benzene	118-74-1	0.41					1.4
2,6-Dinitrotoluene	606-20-2	1.03					1.0
Isophorone	78-59-1	100 [a]					4.4

Contaminant	CAS Number	Residential	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Ground-water
4-methyl-2-pentanone	108-10-1						1.0
2-methyl-naphthalene	91-57-6	0.41					36.4
2-Nitroaniline	88-74-4						0.4
3-Nitroaniline	99-09-2						0.5
Nitrobenzene	98-95-3	3.7	15	69	140	40	0.17[b]
2-Nitrophenol	88-75-5					7	0.3
4-Nitrophenol	100-02-7					7	0.1
Pentachloroaniline	527-20-8					100	
2,3,5,6-Tetrachloroaniline	3481-20-7					20	
2,3,4,5-Tetrachlorophenol	4901-51-3					20	
2,4,5-Trichloroaniline	636-30-6					20	
2,4,5-Trichlorophenol	95-95-4	100[a]				4	0.1
2,4,6-Trichlorophenol	88-06-2					10	
VOLATILE ORGANIC COMPOUNDS							
2-Butanone	78-93-3	100[a]					0.3
Carbon Disulfide	75-15-0	100[a]					2.7
Chloroacetamide	79-07-2					2	
Dibromochloro-methane	124-48-1					10	
2,4-Dichloro aniline	554-00-7					100	
3,4-Dichloroaniline	95-76-1					20	
1,2-Dichloropropane	78-87-5					700	
1,3-Dichloropropane	142-28-9						0.3
2,6-Dinitrotoluene	606-20-2	1.03					0.17[b]
Ethylacetate	141-78-6					48	

Contaminant	CAS Number	Residential	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Ground-water
4-methyl-2-pentanone	108-10-1						1.0
113 Freon (1,1,2- TFE)	76-13-1	100 [a]					6
isopropylbenzene	98-82-8	100 [a]					2.3
p-isopropyltoluene	99-87-6						10
Hexachlorocyclo-pentadiene	77-47-4					10	
Methanol	67-56-1					6.5	
N-nitrosodiphenyl-amine	86-30-6					20	
Pentachloro-benzene	608-93-5					20	
Pentachloronitro-benzene	82-68-8					10	
Styrene	100-42-5					300	
1,2,3,4-Tetrachlorobenzene	634-66-2					10	
1,1,2,2-Tetrachloroethane	79-34-5	35					0.6
1,1,2,2-Tetrachloroethylene	127-18-4					2	
1,2,3-Trichlorobenzene	87-61-6					20	
1,2,4-Trichlorobenzene	120-82-1					20	3.4
1,2,3-Trichloropropane	96-18-4	80					0.34

[a] SCOs for organic contaminants (volatile organic compounds, semivolatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.

[b] Based on rural background study

[c] SCO limited by contract required quantitation limit.

Table 2

Soil Cleanup Levels for Gasoline Contaminated Soils

Contaminant	CAS Registry Number	Soil Cleanup Level (ppm)
Benzene	71-43-2	0.06
n-Butylbenzene	104-51-8	12.0
sec-Butylbenzene	135-98-8	11.0
Ethylbenzene	100-41-4	1.0
Isopropylbenzene	98-82-8	2.3
p-Isopropyltoluene	99-87-6	10.0
Methyl-Tert-Butyl-Ether	1634-04-4	0.93
Naphthalene	91-20-3	12.0
n-Propylbenzene	103-65-1	3.9
Tert-Butylbenzene	98-06-6	5.9
Toluene	108-88-3	0.7
1,2,4-Trimethylbenzene	95-63-6	3.6
1,3,5-Trimethylbenzene	108-67-8	8.4
Xylene (Mixed)	1330-20-7	0.26

Table 3

Soil Cleanup Levels for Fuel Oil Contaminated Soil

Contaminant	CAS Registry Number	Soil Cleanup Level (ppm)
Acenaphthene	83-32-9	20
Acenaphthylene	208-96-8	100
Anthracene	120-12-7	100
Benz(a)Anthracene	56-55-3	1.0
Dibenzo(a,h)Anthracene	53-70-3	0.33
Benzene	71-43-2	0.06
n-Butylbenzene	104-51-8	12.0
sec-Butylbenzene	135-98-8	11.0
Tert-Butylbenzene	98-06-6	5.9
Chrysene	218-01-9	1.0
Ethylbenzene	100-41-4	1.0
Fluoranthene	206-44-0	100
Benzo(b)Fluoranthene	205-99-2	1.0
Benzo(k)Fluoranthene	207-08-9	0.8
Fluorene	86-73-7	30
Isopropylbenzene	98-82-8	2.3
p-Isopropyltoluene	99-87-6	10.0
Naphthalene	91-20-3	12.0
n-Propylbenzene	103-65-1	3.9
Benzo(g,h,i)Perylene	191-24-2	100
Phenanthrene	85-01-8	100
Pyrene	129-00-0	100
Benzo(a)Pyrene	50-32-8	1.0
Indeno(1,2,3-cd)Pyrene	193-39-5	0.5
1,2,4-Trimethylbenzene	95-63-6	3.6
1,3,5-Trimethylbenzene	108-67-8	8.4
Toluene	108-88-3	0.7
Xylene (Mixed)	1330-20-7	0.26

APPENDIX D

Health and Safety Plan

HEALTH AND SAFETY PLAN

FOR

SITE INVESTIGATION

(INCORPORATING COMMUNITY HEALTH AND SAFETY PLAN)

GDC LIC DEVELOPMENT

45-35 11th Street and 11-22 45th Road

Queens, New York

NYSDEC BCP SITE: C241172

NYSDEC SPILL NUMBER: 14-09327

October 2015

ESI File: GQ14076

Prepared By:

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TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

This Health and Safety Plan for Site Investigation (HASP) has been developed to provide the requirements and general procedures to be followed by Ecosystems Strategies, Inc. (ESI) and on-site subcontractors while performing investigative services at the GDC LIC Development property (BCP Site: C241172) located at 45-35 11th Street and 11-22 45th Road in Queens, New York.

This HASP incorporates policies, guidelines and procedures that have the objective of protecting the public health of the community during the performance of fieldwork activities, and therefore serves as a Community Health and Safety Plan. The objectives of the HASP are met by establishing guidelines to minimize community exposure to hazards during fieldwork, and by planning for and responding to emergencies affecting the public.

This HASP describes the responsibilities, training requirements, protective equipment and standard operating procedures to be utilized by all personnel while on the Site. All on-site personnel and visitors shall follow the guidelines, rules, and procedures contained in this safety plan. The Project Manager or Site Health and Safety Officer (SHSO) may impose any other procedures or prohibitions believed to be necessary for safe operations. This HASP incorporates by reference the applicable Occupational Safety and Health Administration (OSHA) requirements in 29 CFR 1910 and 29 CFR 1926.

The requirements and guidelines in this HASP are based on a review of available information and evaluation of potential on-site hazards. This HASP will be discussed with Site personnel and will be available on-site for review while work is underway. On-site personnel will report to the Site Health and Safety Officer (SHSO) in matters of health and safety. The on-site project supervisor(s) are responsible for enforcement and implementation of this HASP, which is applicable to all field personnel, including contractors and subcontractors.

This HASP is specifically intended for the conduct of activities within the defined scope of work in specified areas of the Site. Changes in site conditions and future actions that may be conducted at the Site may necessitate the modification of the requirements of the HASP. Although this HASP can be made available to interested persons for informational purposes, ESI has no responsibility over the interpretations or activities of any other persons or entities other than employees of ESI or ESI's subcontractors.

1.2 Site Location and Description

The Site as defined in this HASP is the property located at 45-35 11th Street and 11-22 45th Road, Borough of Queens, New York City, New York. A Proposed Remedial Investigation Map (illustrating the configuration of the Site as well as the areas of proposed fieldwork activities) is included as an Attachment to this HASP.

1.3 Work Activities

Environmental investigation activities are detailed in the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated October 8, 2015. The specific tasks detailed in the RIWP are wholly incorporated by reference into this HASP. The RIWP was prepared to further investigate documented soil, groundwater

and soil vapor contamination at the Site and describes tasks required for investigation of on-site environmental conditions.

Previous environmental investigations documented the presence of urban-fill soils containing elevated concentrations of SVOCs and metals, groundwater contamination by VOCs, SVOCs and metals, and soil-vapor contamination by VOCs. Proposed additional environmental investigation consists of the extension of mechanical borings, installation of monitoring wells, and collection of soil, groundwater and soil vapor samples.

2.0 HEALTH AND SAFETY HAZARDS

2.1 Hazard Overview for On-Site Personnel

The potential exists for the presence of elevated levels of organic compounds and metals in on-site soils and groundwater, and organic compounds in soil gas. The possibility exists for on-site personnel to have contact with contaminated soils, groundwater and/or vapor during site remediation work. Contact with contaminated substances may present a skin contact, inhalation and/or ingestion hazard. These potential hazards are addressed in Sections 3.0 through 11.0, below.

2.2 Potential Hazards to the Public from Fieldwork Activities

The potential exists for the public to be exposed to contaminated soils, groundwater and/or vapor, which may present a skin contact, inhalation and/or ingestion hazard. Additional potential hazards to the public that are associated with fieldwork activities include mechanical/physical hazards, traffic hazards from fieldwork vehicles, and noise impacts associated with operation of mechanical equipment.

Impacts to public health and safety are expected to be limited to hazards that could directly affect on-site visitors and/or trespassers. These effects will be mitigated through site access and control measures (see Section 6.0, below). Specific actions taken to protect the public health (presented in Sections 3.0 through 11, below) are anticipated to minimize any potential off-site impacts from contaminant migration, noise and traffic hazards.

3.0 PERSONAL PROTECTIVE EQUIPMENT

The levels of protection identified for the services specified in the RIWP represent a best estimate of exposure potential and protective equipment needed for that exposure. Determination of levels was based on data provided by previous studies of the Site and information reviewed on current and past Site usage. The SHSO may recommend revisions to these levels based on an assessment of actual exposures and may at any time require Site workers, supervisors and/or visitors to use specific safety equipment.

The level of protective clothing and equipment selected for this project is Level D. Level D PPE provides minimal skin protection and no respiratory protection, and is used when the atmosphere contains no known hazard, oxygen concentrations are not less than 19.5%, and work activities exclude splashes, immersion or the potential for unexpected inhalation or contact with hazardous levels of chemicals. Workers will wear Level D protective clothing including, but not limited to, a hard hat, steel-toed boots, nitrile gloves (when handling soils and/or groundwater), hearing protection (foam ear plugs or ear muffs,

as required), and safety goggles (in areas of exposed groundwater and when decontaminating equipment). Personal protective equipment (PPE) will be worn at all times, as designated by this HASP.

Disposable gloves will be changed immediately following the handling of contaminated soils, water, or equipment. Tyvek suits will be worn during activities likely to excessively expose work clothing to contaminated dust or soil (chemically-resistant over garments will be required in situations where exposures could lead to penetration of clothing and direct dermal contact by contaminants).

The requirement for the use of PPE by official on-site visitors shall be determined by the SHSO, based on the most restrictive PPE requirement for a particular Work Zones (see Section 6 for Work Zone definitions). All on-site visitors shall, at a minimum, be required to wear an approved hardhat and be provided with appropriate hearing protection as necessary.

The need for an upgrade in PPE will be determined based upon encountered Site conditions, including measurements taken in the breathing zone of the work area using a photo-ionization detector (PID). An upgrade to a higher level of protection (Level C) will begin when specific action levels are reached (see Section 5.0, below), or as otherwise required by the SHSO. Level C PPE includes a full-face or half-mask air-purifying respirator (NIOSH approved for the compound[s] of concern), hooded chemical-resistant clothing, outer and inner chemical-resistant gloves, and (as needed) coveralls, outer boots/boot covers, escape mask, and face shield. Level C PPE may be used only when: oxygen concentrations are not less than 19.5%; contaminant contact will not adversely affect any exposed skin; types of air contaminants have been identified, concentrations measured, and a cartridge or canister is available that can remove the contaminant; atmospheric contaminant concentrations do not exceed immediately dangerous to life or health (IDLH) levels; and job functions do not require self-contained breathing apparatus (SCBAs). The need for Level B or Level A PPE is not anticipated for the planned remedial activities at this Site.

If any equipment fails and/or any employee experiences a failure or other alteration of their protective equipment that may affect its protective ability, that person will immediately leave the work area. The Project Manager and the SHSO will be notified and, after reviewing the situation, determine the effect of the failure on the continuation of on-going operations. If the failure affects the safety of personnel, the work site, or the surrounding environment, personnel will be evacuated until appropriate corrective actions have been taken.

4.0 CONTAMINANT CONTROL

Precautions will be taken during dry weather (e.g., wetting or covering exposed soils) to avoid generating and breathing dust-generated from soils. A PID (or equivalent equipment) will be used to monitor potential contaminant levels. Response to the monitoring will be in accordance with the action levels provided in Section 5.0.

5.0 MONITORING AND ACTION LEVELS

Concentrations of petroleum compounds in the air are expected to be below the OSHA Permissible Exposure Limits (PELs). Air monitoring will be conducted for VOCs and dust according to the NYSDOH Generic Community Air Monitoring Plan (CAMP). Monitoring will be conducted at all times that fieldwork activities which are likely to generate emissions are occurring. PID and dust readings consistently in excess of CAMP limits will be used as an indication of the need to initiate personnel monitoring, increase

worker protective measures, and/or modify or cease on-site operations in order to mitigate off-site community exposure.

PID readings that consistently exceed background in the breathing zone (during any of the proposed tasks) will necessitate moving away from the source or implementing a higher PPE level.

6.0 SITE CONTROL/WORK ZONES

Site control procedures will be established to reduce the possibility of worker/visitor contact with compounds present in the soil, to protect the public in the area surrounding the Site and to limit access to the Site to only those persons required to be in the work zone. Notices will be placed near the Site warning the public not to enter fieldwork areas and directing visitors to report to the Project Manager or SHSO. Measures will be taken to limit the entry of unauthorized personnel into the specific areas of field activity and to safely direct and control all vehicular traffic in and near the Site (e.g., placement of traffic cones and warning tape).

The following Work Zone will be established:

Exclusion Zone ("Hot Zone") - The exclusion zone will be that area immediately surrounding the work being performed for remediation purposes (i.e. the area where contaminated media are being handled). It is anticipated that much of the work will be accomplished with heavy equipment in the exclusion zone. Only individuals with appropriate PPE and training are allowed into this zone. It is the responsibility of the Site Health and Safety Officer to prevent unauthorized personnel from entering the exclusion zone. When necessary, such as in high traffic areas, the exclusion zone will be delineated with barricade tape, cones and/or barricades.

Decontamination Area - A decontamination area for personnel and equipment is not anticipated being required during completion of the RAWP; however, care will be taken to remove gloves, excess soil from boots, and soiled clothing (if necessary) before entering the Intermediate Zone.

Contamination Reduction Zone and Support Zone - Not anticipated being required during the completion of the RAWP.

Intermediate Zone (Decontamination Zone) - The intermediate zone, also known as the decontamination zone, is where patient decontamination should take place, if necessary. A degree of contamination still is found in this zone; thus, some PPE is required, although it is usually of a lesser degree than that required for the hot zone.

Command Zone - The command zone is located outside the decontamination zone. All exposed individuals and equipment from the "hot zone" and decontamination zone should be decontaminated before entering the command zone. Access to all zones must be controlled. Keeping the media and onlookers well away from the Site is critical and will be the responsibility of both the SSHO and the Project Manager, and other Site personnel as appropriate.

7.0 NOISE CONTROL

All fieldwork activities will be conducted in a manner designed to reduce unnecessary noise generation, and to minimize the potential for both on-site and off-site harmful noise levels. The Project Manager and

SHSO will establish noise reduction procedures (as appropriate to the Site and the work) to meet these requirements.

8.0 PERSONNEL TRAINING

Work zones that will accomplish the general objective stated above will be established by the Project Manager and the SHSO. Site access will be monitored by the SHSO, who will maintain a log-in sheet for personnel that will include, at the minimum, personnel on the Site, their arrival and departure times and their destination on the Site. All workers will be properly trained in accordance with OSHA requirements (29 CFR 1910). Personnel exiting the work zone(s) will be decontaminated prior to exiting the Site.

Site-specific training will be provided to each employee. Personnel will be briefed by the SHSO as to the potential hazards to be encountered. Topics will include:

- Availability of this HASP;
- General site hazards and specific hazards in the work areas, including those attributable to known of suspect on-site contaminants;
- Selection, use, testing, and care of the body, eye, hand, and foot protection being worn, with the limitations of each;
- Decontamination procedures for personnel, their personal protective equipment, and other equipment used on the Site;
- Emergency response procedures and requirements;
- Emergency alarm systems and other forms of notification, and evacuation routes to be followed; and,
- Methods to obtain emergency assistance and medical attention.

9.0 DECONTAMINATION

The SHSO will establish a decontamination system and decontamination procedures (appropriate to the Site and the work) that will prevent potentially hazardous materials from leaving the Site. Trucks will be brushed to remove materials adhering to their surfaces. Sampling equipment will be segregated and, after decontamination, stored separately from splash protection equipment. Decontaminated or clean sampling equipment not in use will be covered with plastic and stored in a designated storage area in the work zone.

10.0 EMERGENCY RESPONSE

10.1 Notification of Site Emergencies

In the event of an emergency, the SHSO will be immediately notified of the nature and extent of the emergency (the names and contact information for key site safety and management personnel, as well as other site safety contact telephone numbers, shall be posted at the Site).

Table 1 in this HASP contains Emergency Response Telephone Numbers, and immediately following is a map detailing the directions to the nearest hospital emergency room. This information will be maintained at the work Site by the SHSO. The location of the nearest telephone will be determined prior to the

initiation of on-site activities. In addition to any permanent phone lines, a cellular phone will be in the possession of the SHSO, or an authorized designee, at all times.

10.2 Responsibilities

Prior to the initiation of on-site work activities, the SHSO will:

- Notify individuals, authorities and/or health care facilities of the potentially hazardous activities and potential wastes that may develop as a result of the remedial activities.
- Confirm that first aid supplies and a fire extinguisher are available on-site.
- Have a working knowledge of safety equipment available.
- Confirm that a map detailing the most direct route to the hospital is prominently posted with the emergency telephone numbers.

The SHSO will be responsible for directing notification, response and follow-up actions and for contacting outside response personnel (ambulance, fire department, or others). In the case of an evacuation, the SHSO will account for personnel. A log of individuals entering and leaving the Site will be kept so that everyone can be accounted for in an emergency.

Upon notification of an exposure incident, the SHSO will contact the appropriate emergency response personnel for recommended medical diagnosis and, if necessary, treatment. The SHSO will determine whether and at what levels exposure actually occurred, the cause of such exposure, and the means to prevent similar incidents from occurring.

10.3 Accidents and Injuries

In the event of an accident or injury, measures will be taken to assist those who have been injured or exposed and to protect others from hazards. If an individual is transported to a hospital or doctor, a copy of the HASP will accompany the individual.

The SHSO will be notified and will respond according to the severity of the incident. The SHSO will perform an investigation of the incident and prepare a signed and dated report documenting the investigation. An exposure-incident report will also be completed by the SHSO and the exposed individual. The form will be filed with the employee's medical and safety records to serve as documentation of the incident and the actions taken.

10.4 Communication

No special hand signals will be utilized within the work zone. Field personnel will utilize standard hand signals during the operation of heavy equipment.

10.5 Safe Refuge

Vehicles and on-site structures will serve as the immediate place of refuge in the event of an emergency. If evacuation from the area is necessary, project vehicles will be used to transport on-site personnel to safety.

10.6 Site Security and Control

Site security and control during emergencies, accidents and incidents will be monitored by the SHSO. The SHSO is responsible for limiting access to the Site to authorized personnel and for oversight of reaction activities.

10.7 Emergency Evacuation

In case of an emergency, personnel will evacuate to the safe refuge identified by the SHSO, both for their personal safety and to prevent the hampering of response/rescue efforts.

10.8 Resuming Work

A determination that it is safe to return to work will be made by the SHSO and/or any personnel assisting in the emergency, e.g., fire department, police department, utility company, etc. No personnel will be allowed to return to the work areas until a full determination has been made by the above-identified personnel that all field activities can continue unobstructed. Such a determination will depend upon the nature of the emergency (e.g., downed power lines -- removal of all lines from the property; fire -- extinguished fire; injury -- safe transport of the injured party to a medical facility with either assurance of acceptable medical care present or completion of medical care; etc.). Before on-site work is resumed following an emergency, necessary emergency equipment will be recharged, refilled or replaced. Government agencies will be notified as appropriate. An Incident Report Form will be filed.

10.9 Fire Fighting Procedures

A fire extinguisher will be available in the work zone during on-site activities. This extinguisher is intended for small fires. When a fire cannot be controlled with the extinguisher, the area will be evacuated immediately. The SHSO will be responsible for directing notification, response and follow-up actions and for contacting ambulance and fire department personnel.

10.10 Emergency Decontamination Procedure

The extent of emergency decontamination depends on the severity of the injury or illness and the nature of the contamination. Whenever possible, minimum decontamination will consist of washing, rinsing and/or removal of contaminated outer clothing and equipment. If time does not permit decontamination, the person will be given first aid treatment and then wrapped in plastic or a blanket prior to transport.

10.11 Emergency Equipment

The following on-site equipment for safety and emergency response will be maintained in the on-site vehicle of the SHSO:

- Fire extinguisher;
- First-aid kit; and,
- Extra copy of this Health and Safety Plan.

11.0 SPECIAL PRECAUTIONS AND PROCEDURES

The activities associated with this remediation may involve potential risks of exposure to both chemical and physical hazards. The potential for chemical exposure to hazardous or regulated substances will be significantly reduced through the use of monitoring, personal protective clothing, engineering controls, and implementation of safe work practices.

11.1 Heat/Cold Stress

Training in prevention of heat/cold stress will be provided as part of the site-specific training. The timing of this project is such that heat/cold stress may pose a threat to the health and safety of personnel. Work/rest regimens will be employed, as necessary, so that personnel do not suffer adverse effects from heat/cold stress. Special clothing and appropriate diet and fluid intake regimens will be recommended to personnel to further reduce this temperature-related hazard. Rest periods will be recommended in the event of high/low temperatures and/or humidity to counter the negative effects of heat/cold stress.

11.2 Heavy Equipment

Working in the vicinity of heavy equipment is the primary safety hazard at the Site. Physical hazards in working near heavy construction equipment include the following: overhead hazards, slips/trip/falls, hand and foot injuries, moving part hazards, improper lifting/back injuries and noise. All workers will be properly trained in accordance with OSHA requirements (29 CFR 1910). No workers will be permitted within any excavated areas without proper personal protective equipment (PPE), including, as warranted, any necessary Level C equipment (e.g., respirators and protective suits). Air monitoring in excavation areas will be conducted for VOCs in accordance with Section 5.0.

11.3 Additional Safety Practices

The following are important safety precautions which will be enforced during the remedial activities:

- Medicine and alcohol can aggravate the effect of exposure to certain compounds. Controlled substances and alcoholic beverages will not be consumed during remedial activities. Consumption of prescribed drugs will only be at the discretion of a physician familiar with the person's work.
- Eating, drinking, chewing gum or tobacco, smoking, or other practices that increase the probability of hand-to-mouth transfer and ingestion of material is prohibited except in areas designated by the SHSO.
- Contact with potentially contaminated surfaces will be avoided whenever possible. Workers will not unnecessarily walk through puddles, mud or other discolored surfaces; kneel on the ground; or lean, sit, or place equipment on drums, containers, vehicles, or the ground.
- Personnel and equipment in the work areas will be minimized, consistent with effective site operations.
- Unsafe equipment left unattended will be identified by a "DANGER, DO NOT OPERATE" tag.
- Work areas for various operational activities will be established.

11.4 Daily Log Contents

The SHSO will establish a system appropriate to the Site, the work and the work zones that will record, at a minimum, the following information:

- Personnel on the Site, their arrival and departure times and their destination on the Site.
- Incidents and unusual activities that occur on the Site such as, but not limited to, accidents, spills, breaches of security, injuries, equipment failures and weather-related problems.
- Changes to the HASP.
- Daily information generated such as: changes to work and health and safety plans; work accomplished and the current Site status; and monitoring results.

12.0 TABLE AND FIGURES

Table 1: Emergency Contact Information

Emergency Agencies	Phone Numbers
EMERGENCY	**911**
Wyckoff Hospital/Medical Center 373 Stockholm Street Brooklyn, NY 11237	(718) 963-7272 or 911
NYC Police Department 5-47 50th Ave, Long Island City, NY	(718) 784-5411 or 911
NYC Fire Department	911
City Hall	(212) 788-3000
Main Water and Sewer	(212) 315-2101
Site Health and Safety Officer, Paul Ciminello, ESI	(845) 452-1658
Remedial Engineer, Jolanda G. Jansen, PE	(845) 505-0324
Construction Manager	TBD

Figure 1: Directions to Hospital (approximately 9 to 15 minutes travel time)

Google

Directions to Wyckoff Heights Medical Center
374 Stockholm St, Brooklyn, NY 11237
4.4 mi – about **15 mins**

You can enter notes here.

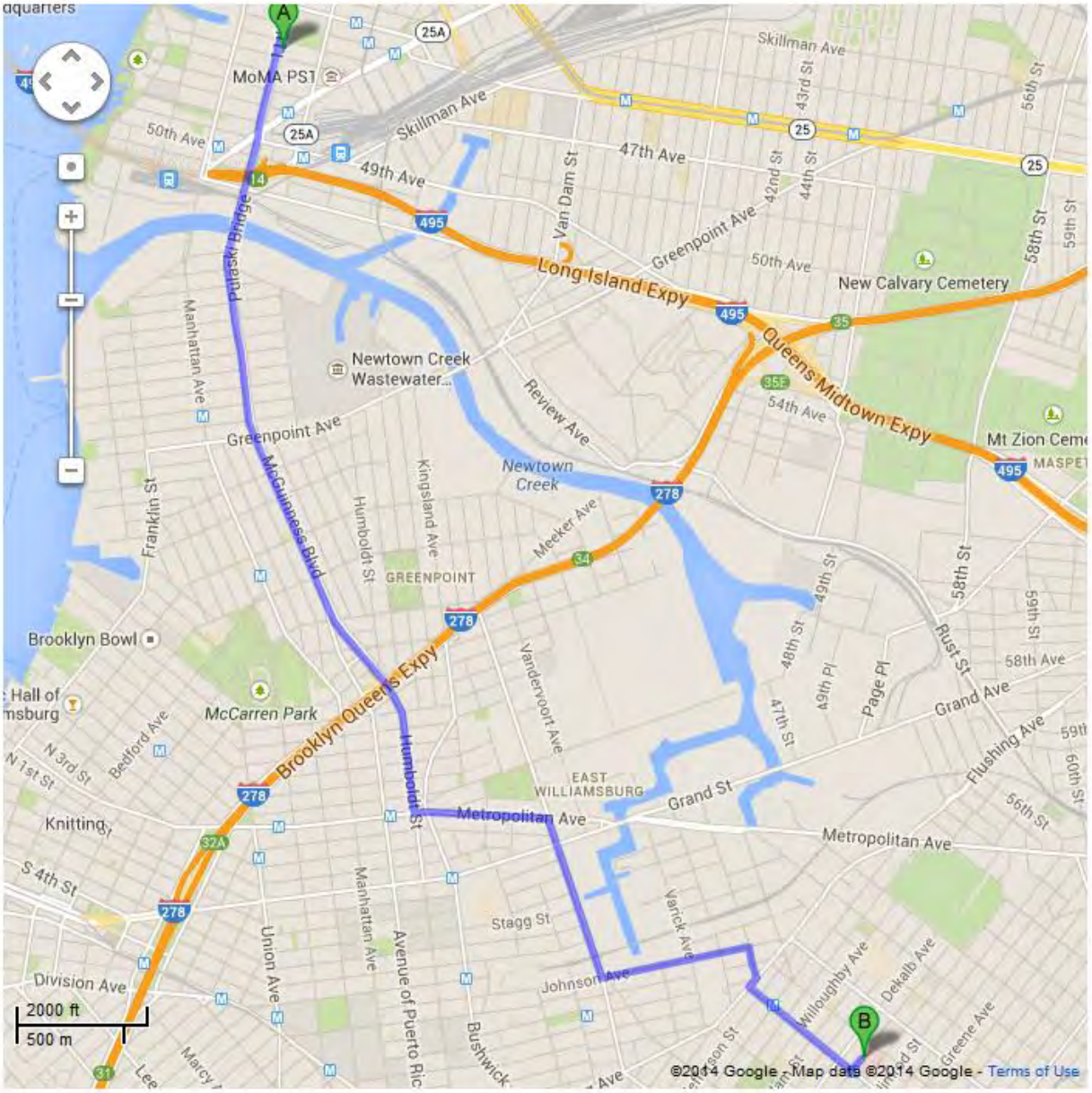
Save trees. Go green!
Download Google Maps on your phone at google.com/gmm

A 45-35 11th St, Long Island City, NY 11101

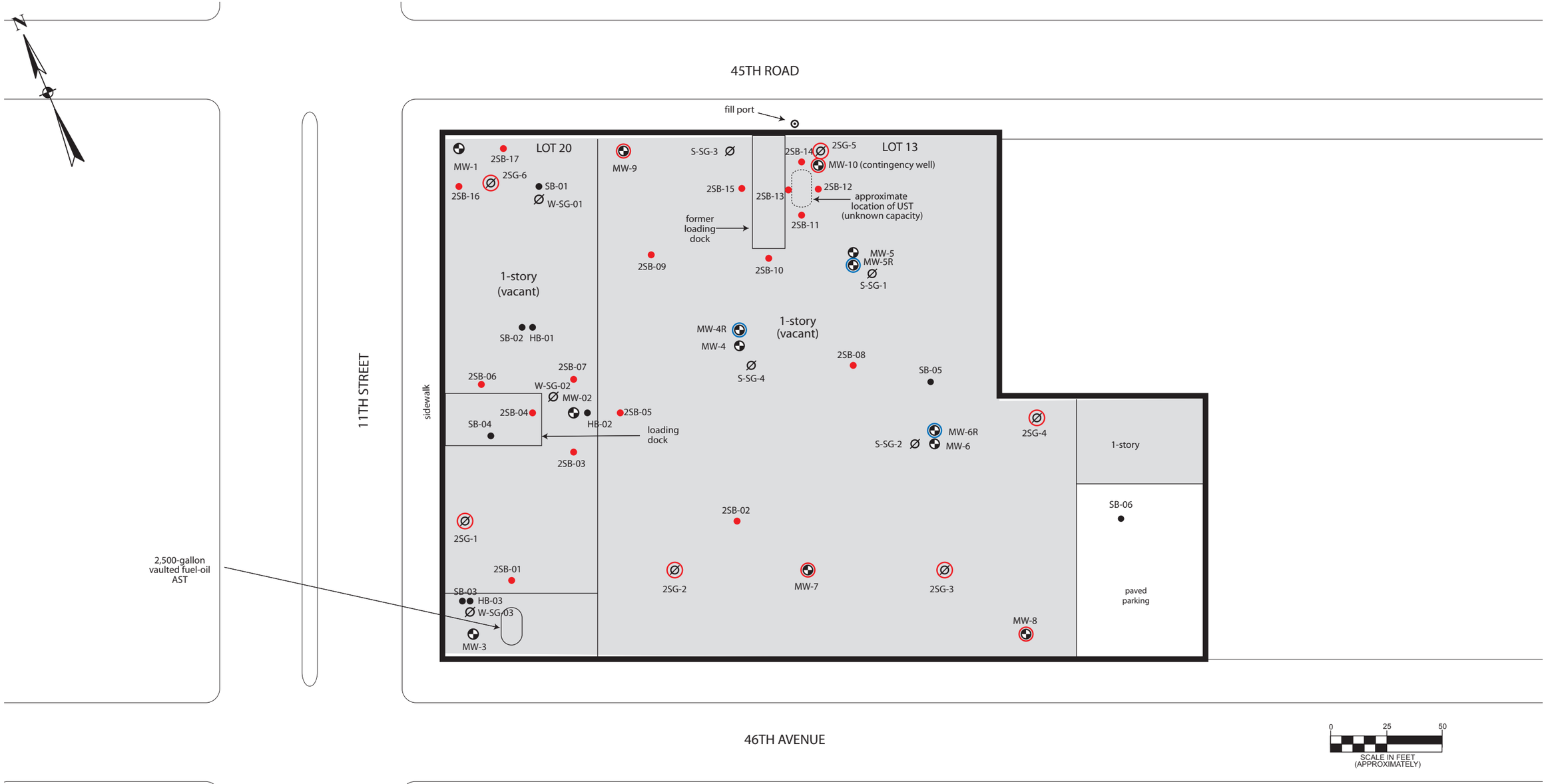
1.	Head **north** on **11th St** toward **45th Rd**	go 397 ft total 397 ft
2.	Make a U-turn at **45th Ave** About 1 min	go 0.3 mi total 0.4 mi
3.	Continue onto **Pulaski Bridge** About 1 min	go 0.6 mi total 1.0 mi
4.	Continue onto **McGuinness Blvd** About 3 mins	go 1.1 mi total 2.1 mi
5.	Continue onto **Humboldt St** About 1 min	go 0.4 mi total 2.5 mi
6.	Turn left onto **Metropolitan Ave** About 1 min	go 0.4 mi total 2.9 mi
7.	Turn right onto **Morgan Ave** About 2 mins	go 0.5 mi total 3.4 mi
8.	Turn left onto **Johnson Ave** About 1 min	go 0.4 mi total 3.8 mi
9.	Turn right onto **Gardner Ave**	go 489 ft total 3.9 mi
10.	Turn right onto **Flushing Ave**	go 171 ft total 4.0 mi
11.	Take the 1st left onto **Wyckoff Ave** About 1 min	go 0.4 mi total 4.3 mi
12.	Turn left onto **Stockholm St** Destination will be on the right	go 259 ft total 4.4 mi

B **Wyckoff Heights Medical Center**
374 Stockholm St, Brooklyn, NY 11237

Figure 2: Map to Hospital (overview)



Ecosystems Strategies, Inc.



Survey provided by Empire Land Surveyor P.C. dated June 4, 2014.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Legend:

- subject property border
- soil boring location
- groundwater monitoring well location
- soil gas sampling location
- proposed soil boring location
- proposed monitoring well location
- proposed replacement monitoring well (as needed)
- proposed soil gas sampling location

Proposed Remedial Investigation Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

ESI File: GQ14076

Scale as shown

October 2015 | Attachment

APPENDIX E

Community Air Monitoring Plan

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.