STEINWAY ESTATES

QUEENS, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 13CVCP148Q

Prepared for:

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June 2013

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Paul Ciminello, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Steinway Estates, (NYC VCP Site No. 13CVCP148Q). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Paul H. Ciminello 6/18/13

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 19-73 38th Street / 19-80 Steinway Street in the Astoria section of Queens, New York and is identified as Block 811 and Lot 1 on the New York City Tax Map. Figure 2 shows the Site location. [Note: for clarity of presentation, 20th Avenue, which has an actual northwest/southeast orientation, is described in this Phase I ESA as having an east/west orientation, and all other road and property descriptions have been likewise appropriately adjusted for descriptive purposes. All report maps indicate approximate true north.] The Site is 60,000-square feet and is bounded by the adjoining site to the north, 20th Ave. to the south, Steinway Street, to the east, and 38th Street to the west. A map of the site boundary is shown in Figure 1. The Site is currently a construction site and contains a partially completed building.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of the completion of the existing structure with 84 market-rate residential units, ancillary parking, and commercial space fronting on 20th Avenue. The structure will occupy the entire Site and the footprint of the proposed building has already been established by the existing construction. The layout of the existing partially constructed building is presented in Figure 1. The current zoning designation is M1-1 with R5 overlay. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

The following environmental conditions were identified at this Site as a result of prior investigations/assessments:

- Historic Site uses documented on Sanborn maps include a truck garage, engine repair shops, and a bus parking garage with gasoline USTs located in the southern portion of the site between 1948 and at least 1990. Nearby properties did not include uses that might impact the environmental integrity of the Site.
- Data from previous environmental investigations had primarily been relevant to the southern portion of the Site, from which USTs had been excavated, but was not sufficient to document subsurface conditions in the northern two thirds of the property.
- The integrity of the soils in an existing stockpile was unknown.
- The integrity of standing water in the southern portion of the site was unknown.
- Elevated VOC concentrations had been detected in a soil gas sample during a previous investigation in the southeast corner of the site (Ethan Eldon sample SG-20).

Summary of the Work Performed under the Remedial Investigation

19-80 Steinway LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed ten soil borings across the entire project Site, and collected sixteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three temporary groundwater monitoring points throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed six soil vapor probes around the Site perimeter and collected six samples for chemical analysis;
5. Collected one stockpile sample;

6. Collected one sample from standing water at the base of the excavation (and in the basement) for possible treatment.

Summary of Environmental Findings

1. Elevation of the property is approximately 20’ feet above sea level.

2. Depth to groundwater ranges from 8’ to 9’ feet at the Site.

3. Groundwater flow is likely to be generally from the southeast to northwest beneath the Site, however data indicate the water table to be almost flat.

4. Depth to bedrock at the Site is unknown.

5. The stratigraphy of the site, from the surface down, consists of 12 feet of fill underlain by silty clay underlain by glacial till of unknown depth.

6. Pesticides and PCBs were not detected in any soil sample. Four VOCs were detected in soil samples. Acetone (ranging from 11 ppb to 1400 ppb) and methylene chloride (ranging from 3 ppb to 1900 ppb) were detected in all samples, but exceeded Unrestricted Residential SCOs only in one soil sample each. N-isopropyltoluene (200 ppb) and naphthalene (510 ppb) were detected in one of ten soil samples each. No other VOCs were detected above laboratory minimum detection limits in any of the samples. Soil sample data document the presence of twelve SVOCs, but only five were detected above their respective Restricted Residential SCOs (all 1,000 ug/Kg) at sample B-5 at 9’ depths. These SVOC included benzo(a)anthracene (1450 ug/Kg), benzo(a)pyrene (1470 ug/Kg), benzo(b)fluoranthene (1030 ug/Kg), benzo(k)fluoranthene (1650 ug/Kg) and chrysene (1540 ug/Kg). All other SVOCs were detected below Unrestricted Residential SCOs. Several metals including arsenic, chromium, copper, lead, mercury, nickel and zinc were detected above Unrestricted Residential SCOs. And of these metals, chromium (max of 24.5 mg/Kg) exceeded Restricted Residential SCOs in two samples. Iron was detected above the Restricted Residential SCO of 2,000 mg/Kg in all samples, with a peak concentration of 24,500 mg/Kg documented in sample B-1 (0-9’).

7. Acetone (ranging from 3 to 13 ug/L) and methylene chloride (ranging from 2.8 to 19 ug/L) were detected in the groundwater samples above NYSDEC Part 703.5 Groundwater Quality Standards (GQS). MTBE was detected at concentration of 3.2 ug/L. No other VOCs were detected above their guidance levels in any of the other samples. One SVOC, bis (2-ethylhexyl) phthalate was detected at 47 ug/L, above its GQS. No other SVOCs were detected above minimum detection limits in any of the samples. Dissolved concentrations of berylium, selenium and sodium were detected above GQS. No other metals were detected above their respective guidance levels. The previous investigation by Ethan Eldon had documented the absence of pesticide/PCB contamination.

8. Several low level concentrations of petroleum related and chlorinated VOCs were detected in all soil vapor samples. All contaminant concentrations were less than 10 ug/m^3 except for acetone (111 ug/m^3), ethanol (42 ug/m^3) and propylene (61 ug/m^3). Tetrachlorothylene (PCE) was detected in three of five samples at a maximum concentration of 9.9 ug/m^3. Trichloroethylene (TCE) was detected in one sample at 1.6 ug/m^3. TCA and carbon tetraxhloride were not detected in any sample.

9. A sample of the stockpile of soil at the central portion of the site documented the absence of contamination above Unrestricted Use SCOs, with the exception of Iron (guidance level 2,000 mg/Kg) detected at 17,400 mg/kg.

10. The standing water sample documented the absence of contaminants at concentrations above GQS with the exception of aluminum (0.383 mg/L); lead (0.031 mg/L) and sodium (105 mg/L). These concentrations are below the NYCDEP limitations for effluent discharge to the sanitary sewer, however, additional analysis and a permit application would be required prior to such a discharge from the Site.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

19-80 Steinway LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.13-acre site located at 19-73 38th Street / 19-80 Steinway Street in Astoria section of Queens, New York. Mixed commercial and residential use is proposed for the property. The RI work was performed between May 31 and June 3, 2013. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 19-73 38th Street / 19-80 Steinway Street in the Astoria section in Queens, New York and is identified as Block 811 and Lot 1 on the New York City Tax Map. Figure 2 shows the Site location. The Site is 60,000-square feet and is bounded by the adjoining site to the north, 20th Ave. to the south, Steinway Street to the east, and 38th Street to the west. A map of the site boundary is shown in Figure 1. The Site is currently a construction site and contains partially completed buildings.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of the completion of the existing partially completed structure with 84 market-rate residential units, ancillary parking, and commercial space fronting on 20th Avenue. The footprint of the proposed building has already been partially established by the existing construction. The layout of the existing partially constructed building is presented in Figure 1. The current zoning designation is M1-1 with R5 overlay. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The site is located at the intersection between a residential area to the south and a manufacturing area to the north. Surrounding the site to the north and east are small manufacturing and commercial operations. To the west is a park/playground, and to the south are residential and commercial properties. Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The following environmental conditions were identified at this Site as a result of prior investigations/assessments:

- Historic Site uses documented on Sanborn maps include a truck garage, engine repair shops, and a bus parking garage with gasoline USTs located in the southern portion of the site between 1948 and at least 1990.

- Data from previous environmental investigations had primarily been relevant to the southern portion of the Site, from which USTs had been excavated, but was not sufficient to document subsurface conditions in the northern two thirds of the property.

A site inspection was performed by ESI personnel on May 2, 2013, which documented a stockpile of soil overgrown with vegetation at the central southern portion of the property and the partially completed building was observed occupying northern and eastern portions of the property. The origin of this soil is not known, although its location and volume make it likely that the soil pile was the result of the on-site excavation. No data were provided on the chemical characteristics of this soil.

2.2 Previous Investigations

During 1997, six USTs were removed from the southern portion of the property under oversight by Walden Associates, Inc. Petroleum contamination was encountered and 740 cubic yards of concrete and 1,808 cubic yards of petroleum contaminated soil were excavated and removed from the southern portion of the site. A spill event was reported to the NYSDEC (Spill# 9613073). Subsequently, a Phase II investigation was performed by Walden Associates, which documented the presence of low level exceedances of SVOCs and metals in soils at the southern portion of the site and low-level exceedances of VOCs and SVOCs in the groundwater. The Phase II concluded that any remaining contamination at the Site was beneath 8’ of fill, which provided a barrier to potential exposure. The NYSDEC subsequently closed the spill file.

Ethan Eldon Associates performed a Phase II investigation of the site during 2005. Soil, soil gas, and groundwater testing was completed. A total of 33 borings were extended on the Site, including 24 soil gas probes and nine soil borings (four of which were converted to groundwater

monitoring wells). Eighteen soil samples and one round of groundwater samples were collected to describe Site conditions. The sample data generally documented exceedances in target analyte metals and SVOCs in surface soils, although one exceedance of MTBE was identified in a groundwater sample. Elevated VOC concentrations were document in one soil gas sample collected in the southeast corner of the site (SG-20). With the exception of two samples (BB-1 8'-10' and SB-5 8'-10'), the soil samples collected were from shallow soils (0-4').

2.3 Site Inspection

A site inspection was performed by ESI personnel on May 2, 2013. A stockpile of soil overgrown with vegetation was noted on the central southern portion of the property and the partially completed building was observed.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Data from previous investigations had primarily been relevant to the southern portion of the Site from which USTs had been excavated. Existing data was not sufficient to document subsurface conditions in the northern two thirds of the property.
2. The integrity of the soils in the stockpile were unknown.
3. Elevated VOC concentrations had been detected in a soil gas sample during a previous investigation in the southeast corner of the site.

Previous environmental reports are presented in Appendix 1.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul Ciminello. Richard Hooker performed the fieldwork. Communications with OER personnel occurred prior to and during the completion of fieldwork.

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

19-80 Steinway LLC performed the following scope of work:

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

4.1 Geophysical Investigation

No geophysical investigation was performed.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Ten borings (B-1 through B-10) were extended at the site to a maximum depth of 15’ below surface grade using a truck mounted drill rig with a 5’ sampling tube equipped with acetate sleeves. Borings were continuously sampled and screened by visual and olfactory means and a calibrated PID. No field evidence of contamination was found in any of the borings with the exception of B-3, B7, and B-10 where evidence of petroleum contamination was encountered at 9’ bsg at the ground water interface. Low PID readings (peak 3.4 ppm) were recorded at these three borings at this depth.

Boring logs prepared by field personnel are attached in Appendix 2. A map showing the location of soil borings and monitor wells is shown in Figure 5.

Groundwater Monitoring Well Construction

Three, one-inch temporary monitoring points (MW-1, MW-2 and MW-3) were installed at the Site. The wells were set at 15' with 10' of screening extending 4' above the groundwater interface and 6' below.

Monitor well locations are shown in Figure 5.

Survey

Boring and monitoring well locations were measured to the two nearest property lines to within 1". These measured locations included in Appendix 2.

Water Level Measurement

Groundwater wells were gauged with a water level meter to record a depth to groundwater reading (1/100 foot). The well casings were surveyed by a trained QEP to facilitate preparation of a groundwater contour map and determine the direction of groundwater flow.

Water level data is included in Appendix 2.

4.3 Sample Collection and Chemical Analysis

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

Soil Sampling

Mechanical soil borings were extended throughout the Site using a truck-mounted drill rig. Soil borings were continuously sampled between the surface and 15' bsg in 5 foot increments. No field evidence of contamination or positive PID readings were encountered during the extension of borings with the exception of borings B-3, B7, and B-10 where

petroleum odors and staining were encountered at the groundwater interface (9'). The sampling instrument was decontaminated prior to the initiation of fieldwork and after the collection of each sample. Decontamination procedures were consistent with established NYSDEC protocols.

All soil samples collected by ESI 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 glassware. Samples were collected directly from the split spoon sampler. The sample collection instrument was decontaminated, as warranted, prior to the collection of each material sample, to avoid cross-contamination between samples. VOC samples were collected following USEPA Method 5053.

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

Sixteen samples were collected during this RI and ten were submitted for laboratory analysis. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Appendix 2. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Prior to sampling, 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. All wells were purged and sampled following the USEPA Low-Flow Method. All sampling was conducted using a Horiba U52 Multi Water Quality Checker, dedicated plastic tubing, and a peristaltic pump. All wells were purged at a flow rate between 100 and 200 ml per minute, for a period of no less than 15 minutes. Flow rate was determined using a graduated cylinder and a stopwatch.

Sample collection occurred when the field parameters stabilized (achieved when three consecutive readings were within the required parameters specified by the USEPA protocol).

Each groundwater sample was collected in laboratory supplied glassware and preserved with acid as appropriate for the specific analysis. No groundwater samples were filtered prior to submission to the laboratory. After sample collection, the containers were placed in a cooler prior to transport to the laboratory. All samples were accompanied by proper chain of custody documentation. Three groundwater samples were collected for chemical analysis during this RI. Figure 5 shows the location of groundwater monitoring points. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Six soil vapor probes were installed and six soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 8. Soil vapor sampling logs indicating start and end pressures for the Summa canisters are documented on the COC for the samples and included in Appendix 5. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.* Samples were collected in 5 liter Summa canisters (with 2 hour flow regulators) that had been certified clean by the laboratory and the samples were analyzed for VOCs using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 L/min. 24-hours following soil vapor probe installation, one to three implant volumes were purged prior to the collection of the soil-gas samples. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, and chain of custody protocols.

As part of the vapor intrusion evaluation, helium was used as a tracer gas in accordance with NYSDOH protocols to serve as a quality assurance/quality control device to verify the integrity of the soil vapor probe seal. A stainless steel container served to keep the tracer gas in contact with the probe during testing. The samples were then analyzed for helium to document the presence of surface air penetration into the sample zone.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Richard Hooker
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and is York Analytical Laboratories (ELAP Number 18054)
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 Tables 1-8, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 3, 4 and 5.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Fill comprised of dark sandy soil mixed with brick, stone and rock fragments is present at depths from the surface to between 8 and 12' below surface grade. This material is underlain by heavy silty clay.

Hydrogeology

The average depth to groundwater is 9 feet. A map of groundwater level elevations is shown in Figure 5. No groundwater elevation contours are shown because the water table is almost flat and ground water elevations were within 0.1' at all wells, however, based on local topography groundwater is likely to from the southeast to northwest. This data conforms with previous investigations.

5.2 Soil Chemistry

Soil sample data document the presence of twelve SVOCs, but only five were detected above their respective Restricted Residential SCOs (all 1,000 ug/Kg) at sample B-5 9'. These SVOC included benzo (a) anthracene (1450 ug/Kg), benzo (a) pyrene (1470 ug/Kg), benzo (b) fluoranthene (1030 ug/Kg), benzo (k) fluoranthene (1650 ug/Kg) and chrysene (1540 ug/Kg). All other SVOCs were detected below Unrestricted Residential SCOs.

Several metals including arsenic, chromium, copper, lead, mercury, nickel and zinc were detected above Unrestricted Residential SCOs. And of these metals, chromium (max of 24.5 mg/Kg) exceeded Restricted Residential SCOs in two samples (B-2 4' and B-5 9'). Iron was detected above the Restricted Residential SCO of 2,000 mg/Kg in all samples, with a peak concentration of 24,500 mg/Kg documented in sample B-1 (0-9').

Four VOCs were detected in soil samples. Acetone (ranging from 11 ppb to 1400 ppb) and methylene chloride (ranging from 3 ppb to 1900 ppb) were detected in all samples, but exceeded Unrestricted Residential SCOs only in one soil sample each. n-isopropyltoluene (200 ppb) and naphthalene (510 ppb) were detected in one of ten soil samples each. No other VOCs were detected above laboratory minimum detection limits in any of the samples.

Pesticides and PCBs were not detected in any soil sample.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. Figure 7 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

Acetone (ranging from 3 to 13 ug/L) and methylene chloride (ranging from 2.8 to 19 ug/L), two common laboratory induced contaminants, were detected in the groundwater samples. MTBE (guidance level 10 ug/L) was detected at an estimated concentration of 3.2 ug/L in sample MW-1. No other VOCs were detected above their guidance levels in any of the other samples.

One SVOC, bis (2-ethylhexyl) phthalate was detected above its guidance level of 5 ug/L at 47 ug/L. No other SVOCs were detected above minimum detection limits in any of the samples.

Dissolved concentrations of berylium, selenium and sodium were detected above Groundwater Quality Standards (GQS). Berylium (80 mg/L) was detected in one groundwater sample. Selenium was detected in all samples at a maximum concentration of 17 mg/L. Sodium was detected in all four groundwater samples at a peak dissolved concentration of 170 mg/L. No other metals were detected above their respective guidance levels.

The previous investigation by Ethan Eldon had documented the absence of pesticide/PCB contamination, so samples were not run for those parameters for this investigation.

Data collected during the RI, together with previous investigations, is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5-7. Exceedence of applicable groundwater standards are shown.

5.4 Soil Vapor Chemistry

Several low level concentrations of petroleum related and chlorinated VOCs were detected in all soil vapor samples. All contaminant concentrations were less than 10 ug/m^3 except for acetone (111 ug/m^3), ethanol (42 ug/m^3) and propylene (61 ug/m^3). Tetrachlorothylene (PCE) was detected in three of five samples at a maximum concentration of 9.9 ug/m^3. Trichloroethylene (TCE) was detected in one sample at 1.6 ug/m^3. TCA and carbon tetraxhloride were not detected in any sample.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 8.

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

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

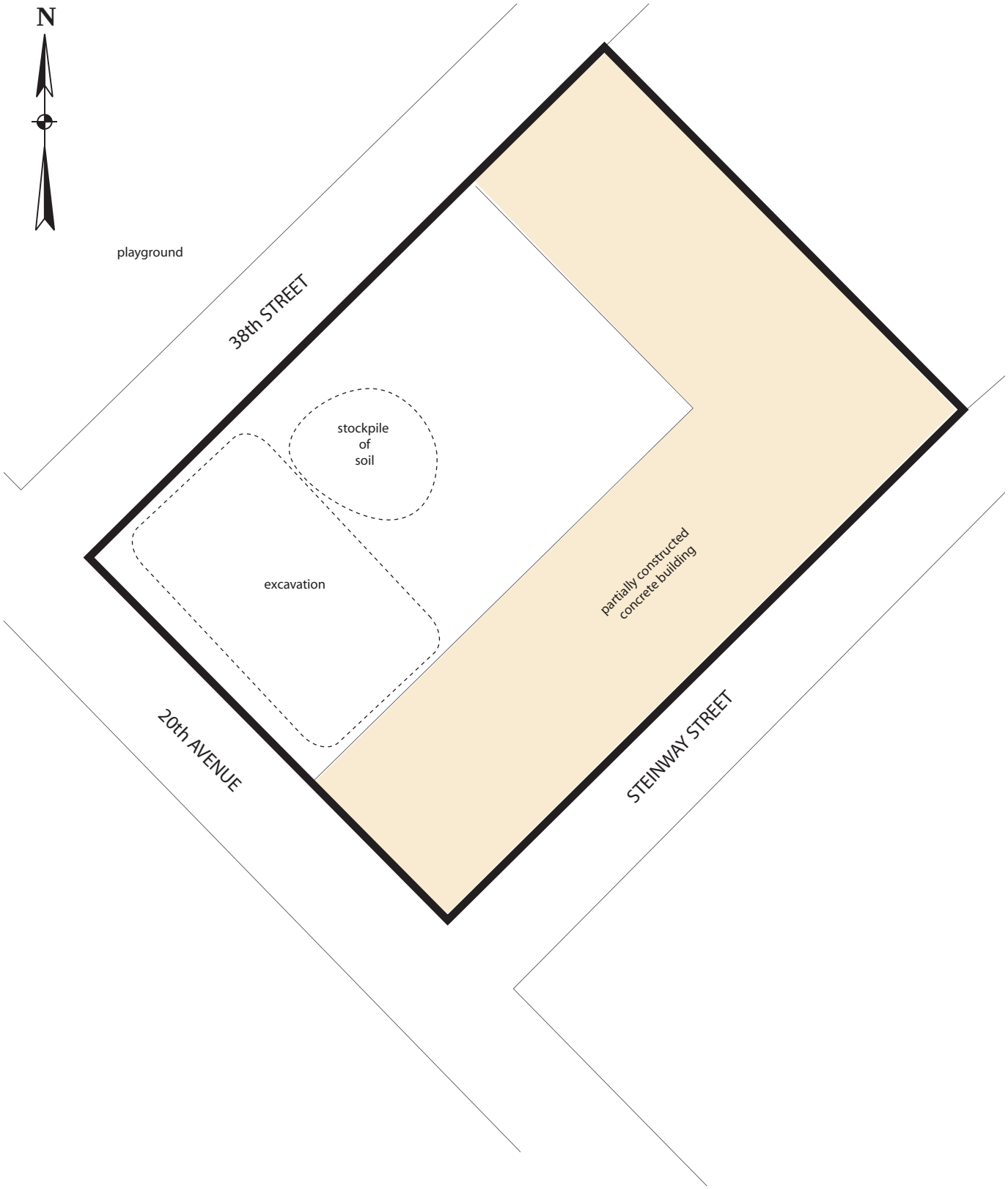
Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy

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

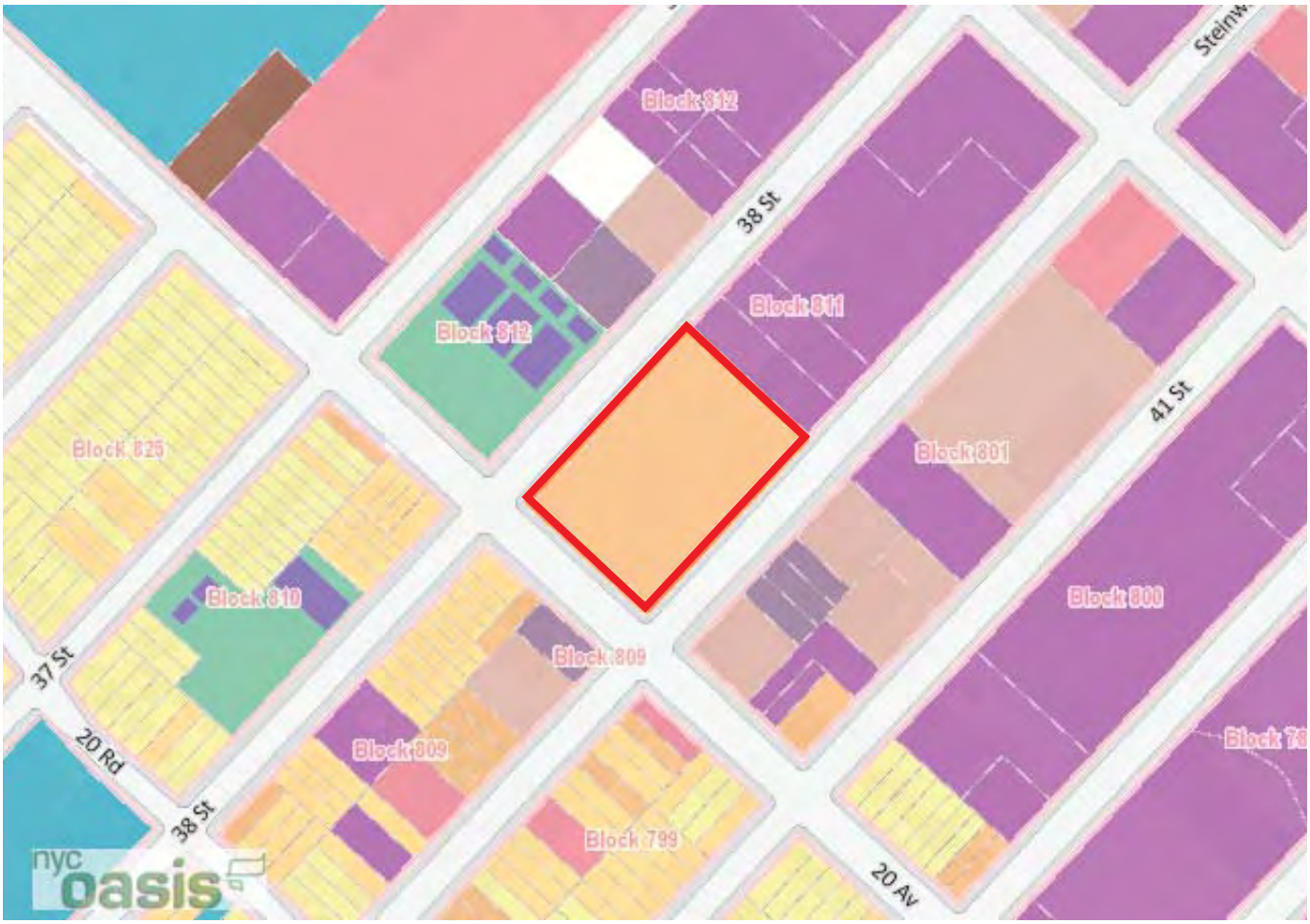
FIGURES

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 Map 19-73 38th Street 19-80 Steinway Street Borough of Queens, New York	Legend: subject property border	ESI File: GA13105.20 June 2013 Scale: 1" = 60' approximately Figures



Project area at center of map, outlined in red

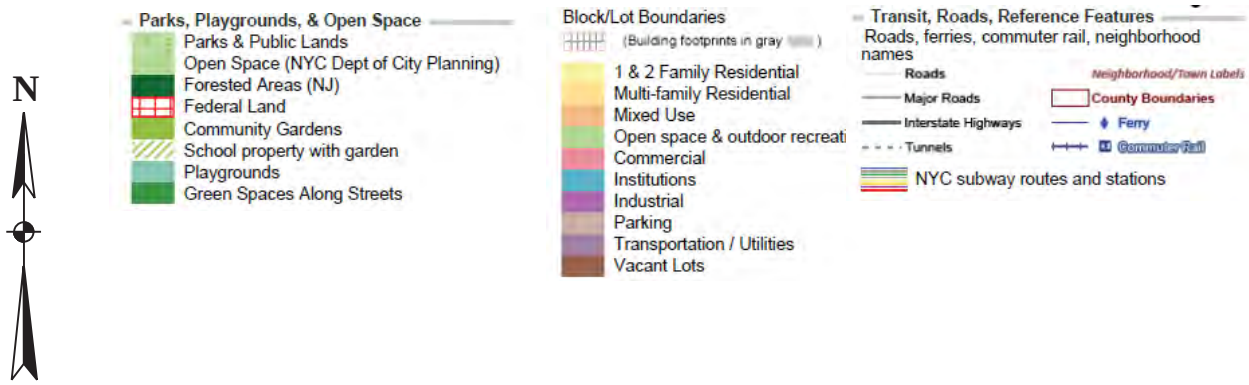


Figure 2 - Site Location Map

19-73 38th Street
19-80 Steinway Street
Borough of Queens, New York

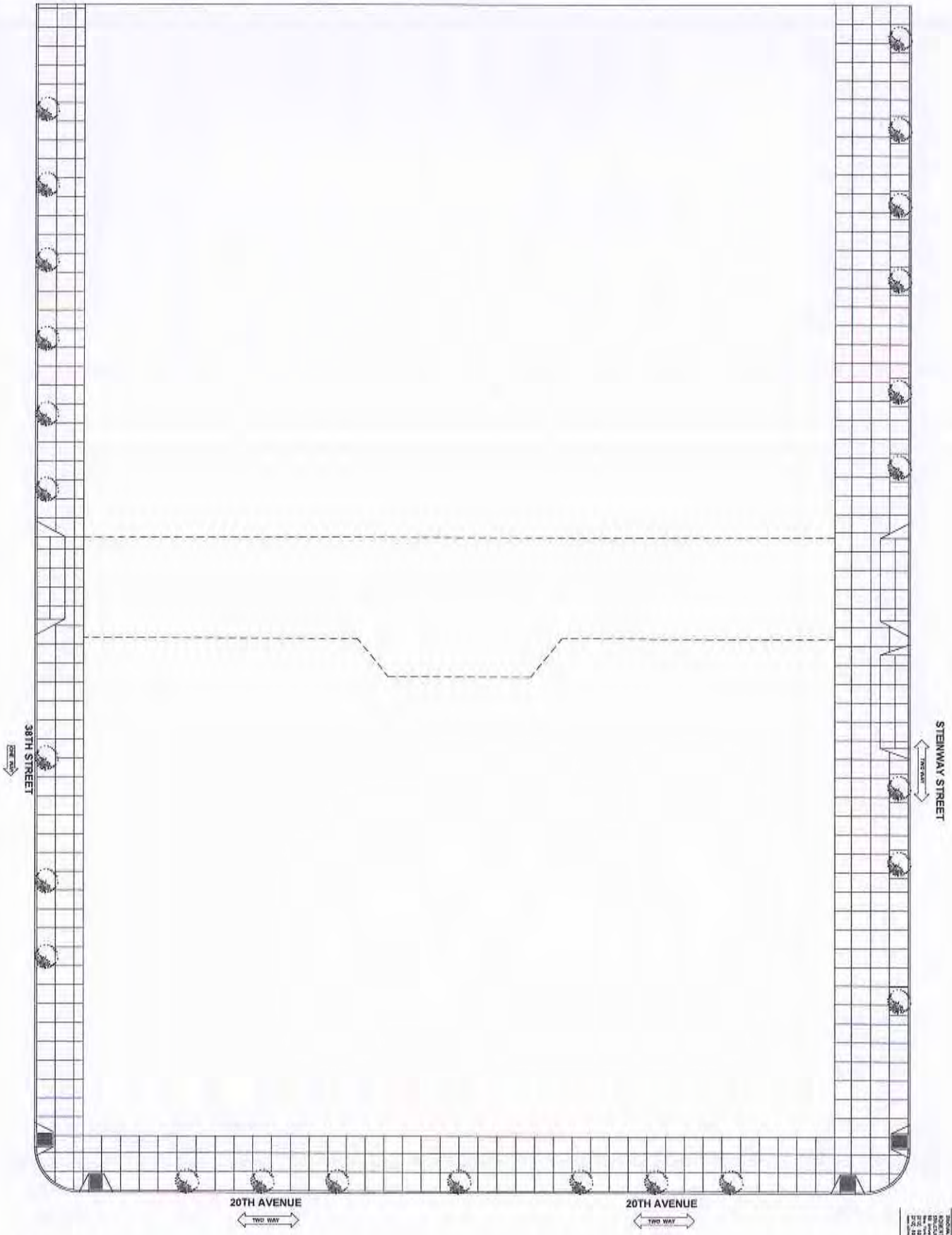
ESI File: GA13105.20

June 2013

Figures

FIGURE 3

Redevelopment Plan



NO.	DATE	REVISION

A-100

DRAWN BY: LMJ
CHECKED BY: GJC
JOB NO. 13065
SCALE: 1/8" = 1'-0"
DATE: 05/16/07

DRAWING TITLE: SITE PLAN

PROJECT: VESTA ASTORIA
19-73 38TH STREET
ASTORIA, QUEENS

CLIENT: 19-80 STEINWAY LLC
3152 ALBANY CRESCENT
BRONX, NY 10463

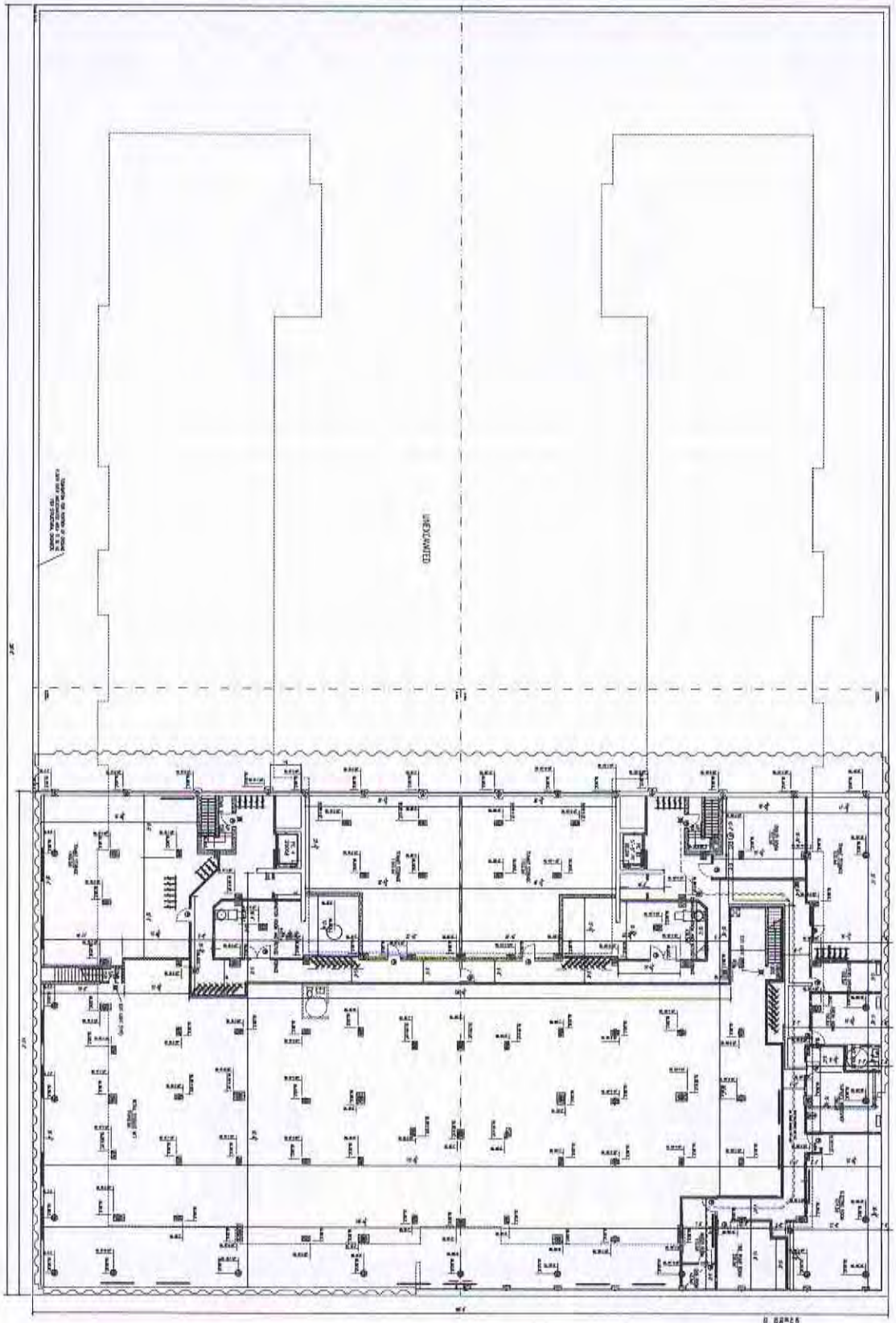
THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPALS/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

SEAL:

Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

ARCHITECT:
MOTTOLA SINI ENGINEERS P.C.

DRAWN BY:
ROBERT GLAMM ASSOCIATES



NO.	DATE	REVISION

DRAWN BY: LMJ
CHECKED BY: GJC
JOB NO.: 13085
SCALE: 1/8" = 1'-0"
DATE: 06/18/07

DRAWING TITLE: CELLAR FLOOR PLAN

PROJECT: VESTA ASTORIA
19-73 38TH STREET
ASTORIA, QUEENS

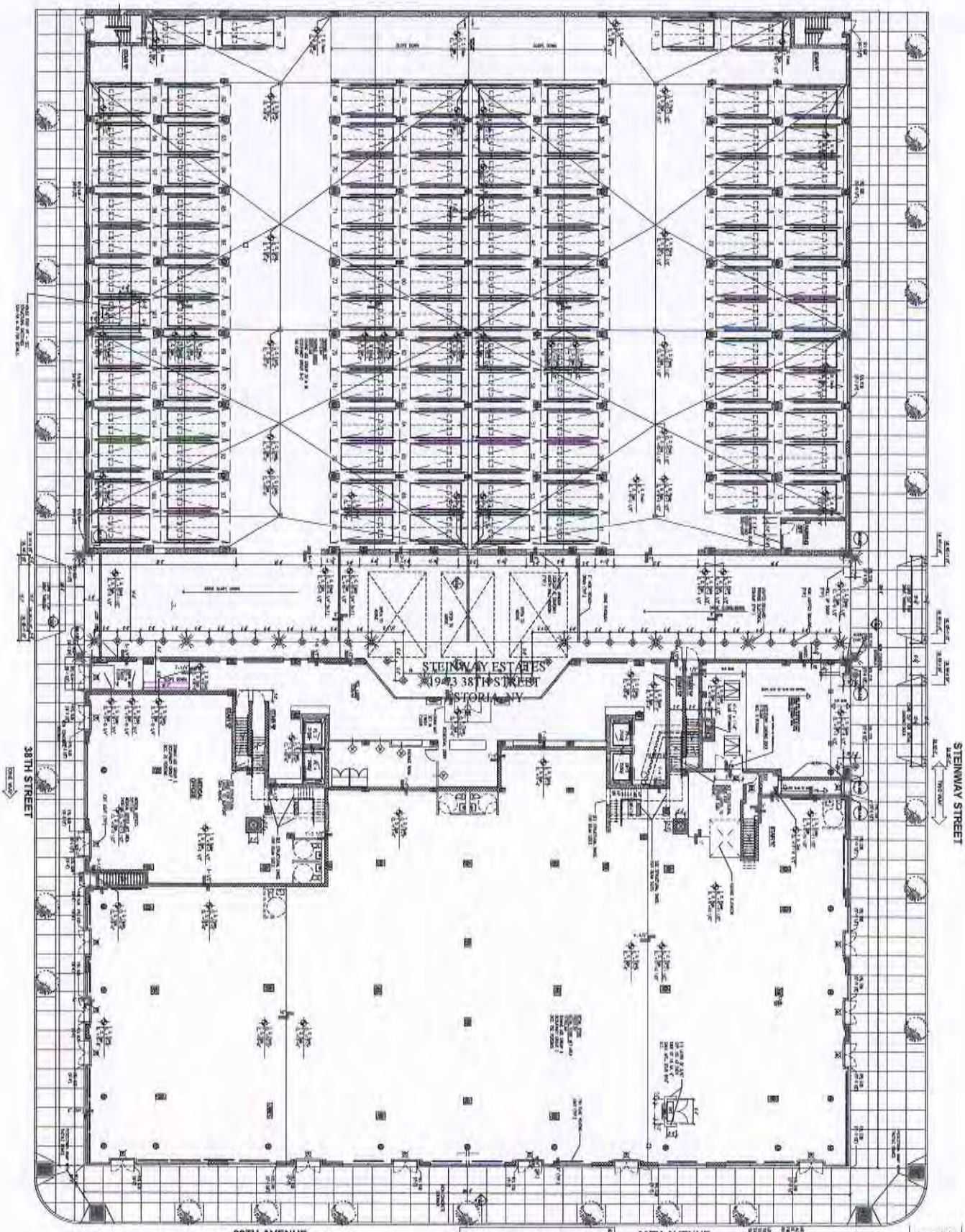
CLIENT: 19-80 STEINWAY LLC
3152 ALBANY CRESCENT
BRONX, NY 10463

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL DRAWINGS AND SPECIFICATIONS ARE NOT TO BE REUSED WITHOUT GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

SEAL:

Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

A-101



NO	DATE	REVISION

A-102

DRAWN BY: LMJ
CHECKED BY: GJC
JOB NO: 13065
SCALE: 1/8" = 1'-0"
DATE: 05/16/07

DRAWING TITLE: GROUND FLOOR PLAN

PROJECT: VESTA ASTORIA
19-73 38TH STREET
ASTORIA, QUEENS

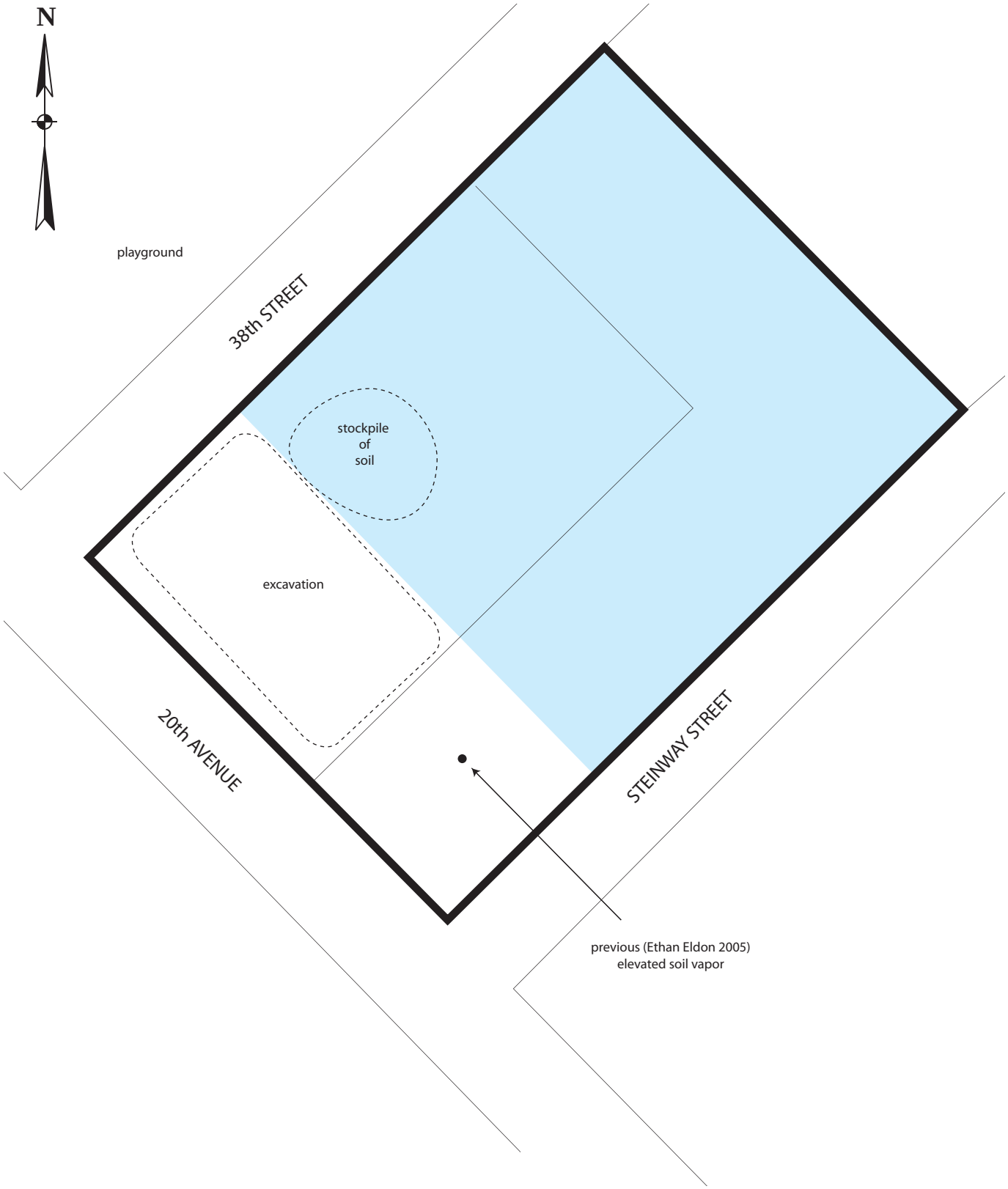
CLIENT: 19-80 STEINWAY LLC
3152 ALBANY CRESCENT
BRONX, NY 10463

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTORS, SUBCONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. REFER TO A LICENSED ARCHITECT, PE AND FIRE PROTECTION ENGINEER WHO MAY RETAINED FOR ANY CONSTRUCTION SUPERVISION.

REAC

MOTOLA RM ENGINEERS P.C.
Consulting Engineers
Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

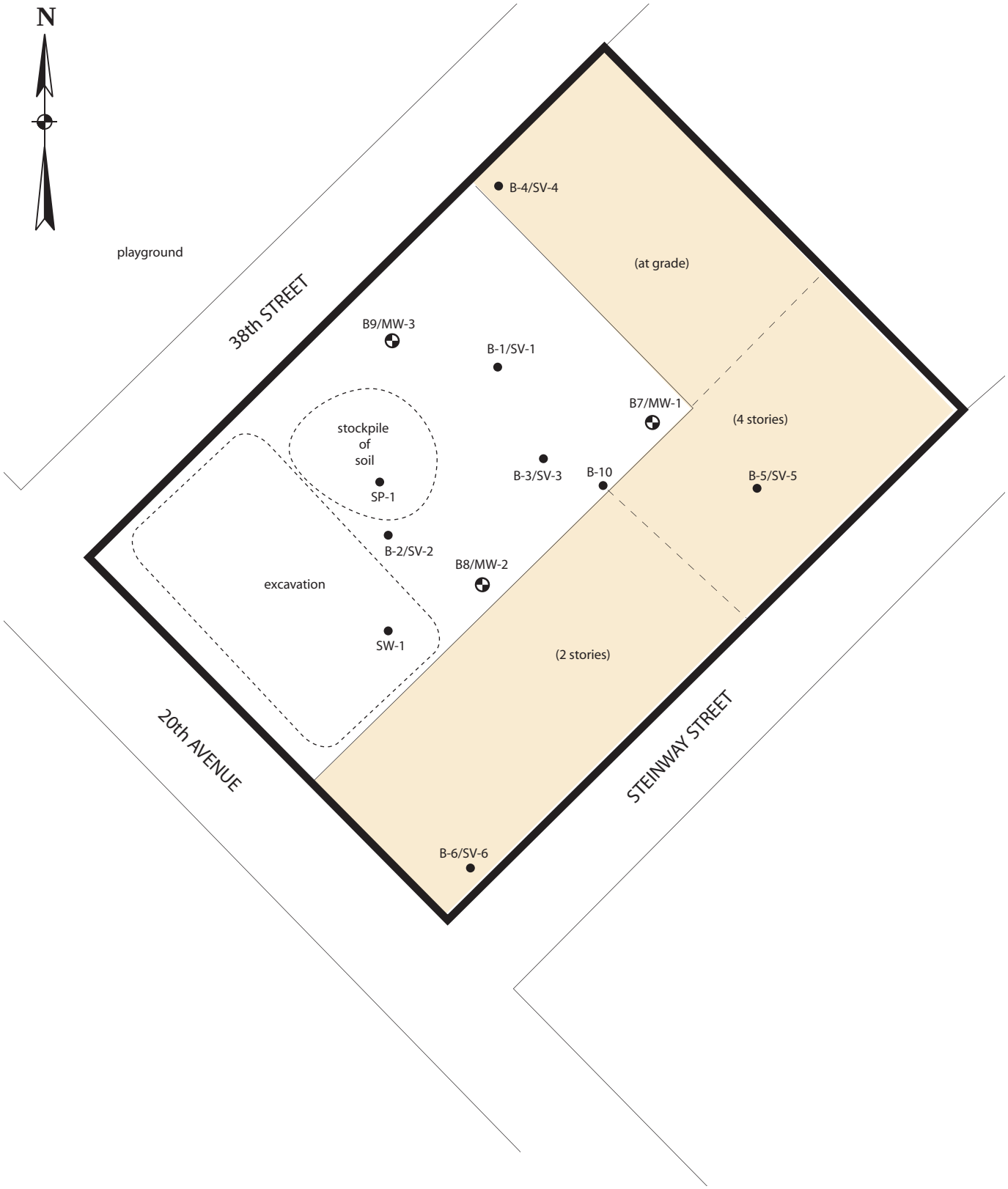
Ecosystems Strategies, Inc.



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 4 - Areas of Concern 19-73 38th Street 19-80 Steinway Street Borough of Queens, New York	Legend: subject property border area of insufficient data	ESI File: GA13105.20 June 2013 Scale: 1" = 60' approximately 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 5 - Fieldwork Map

19-73 38th Street
19-80 Steinway Street
Borough of Queens, New York

Legend:
- subject property border
- building under construction
- sample location
- well locations

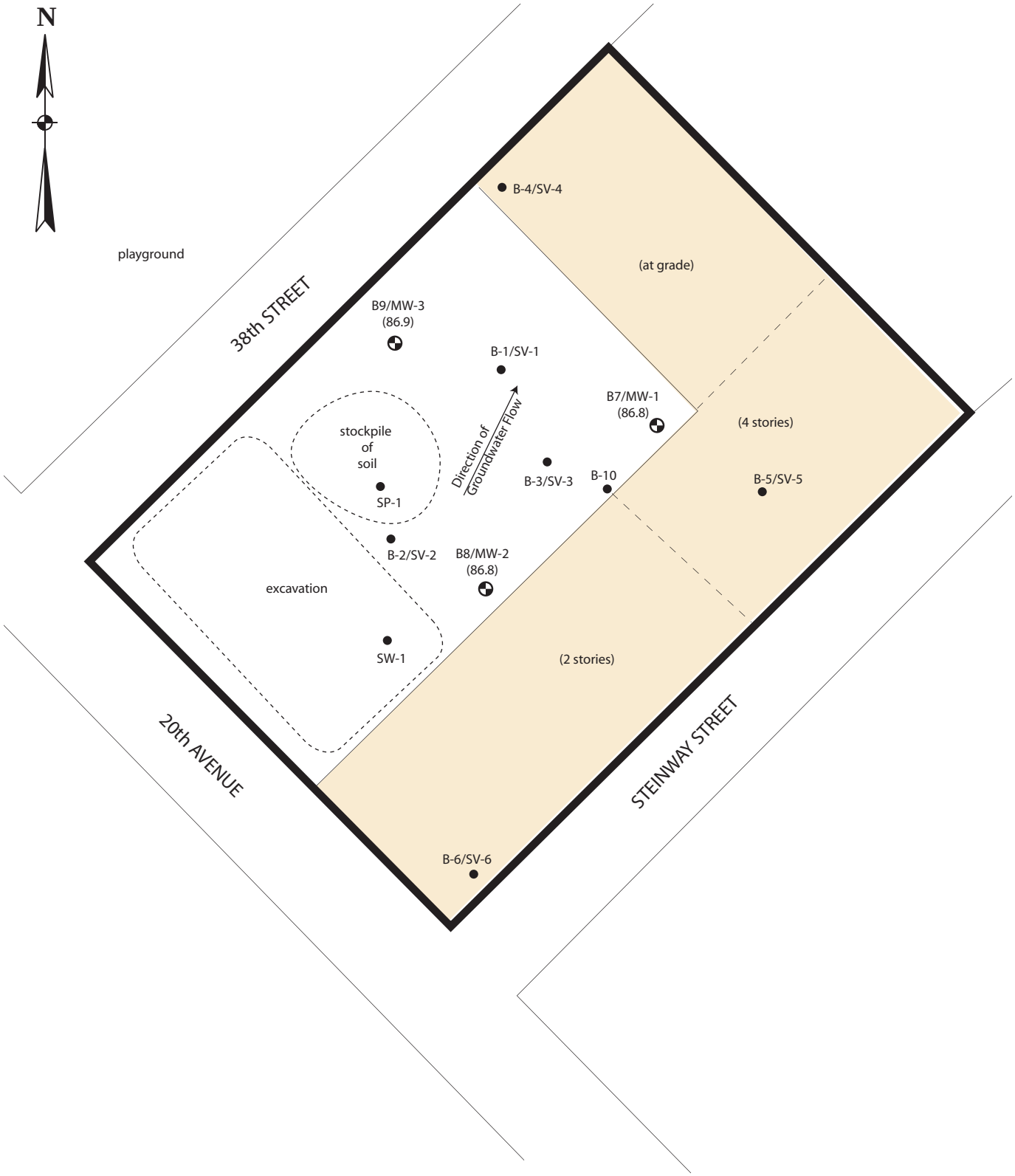
ESI File: GA13105.20

June 2013

Scale: 1" = 60' approximately

Figures

Ecosystems Strategies, Inc.

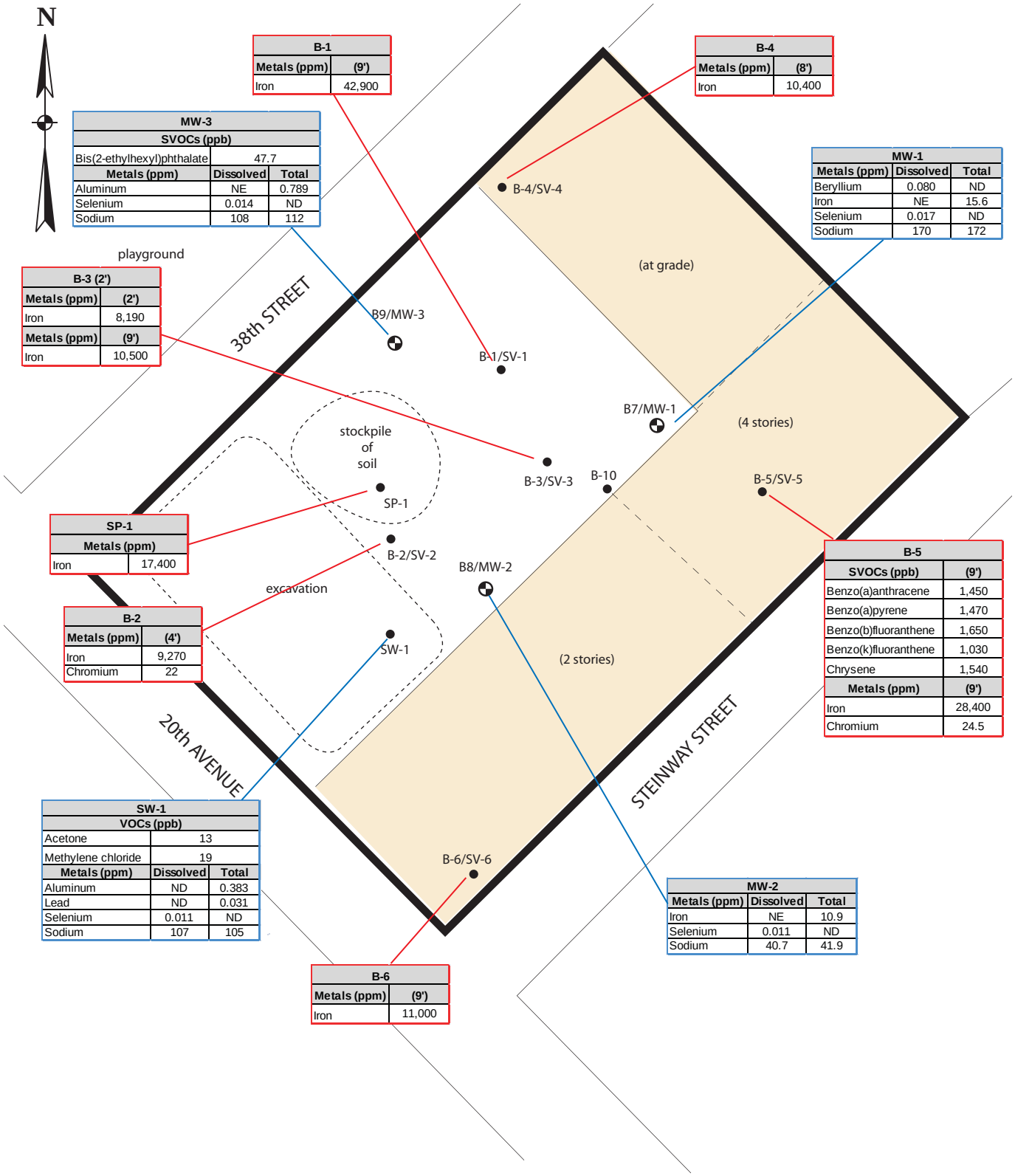


Note: Groundwater Elevation Data are inconclusive. Groundwater in the vicinity likely flows to the Northeast.

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 6 - Groundwater Flow Map 19-73 38th Street 19-80 Steinway Street Borough of Queens, New York	Legend: subject property border building under construction sample location well locations	ESI File: GA13105.20 June 2013 Scale: 1" = 60' approximately 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 7 - Map of Soil Chemistry Results

19-73 38th Street
19-80 Steinway Street
Borough of Queens, New York

Legend:
- subject property border
- building under construction
- sample location
- well locations
- exceedances in soils
- exceedances in groundwater

ND = Not Detected; NE = No Exceedance

ESI File: GA13105.20

June 2013

Scale: 1" = 60' approximately

Figures

TABLES

Table 1: VOCs in Soil

Analytes USEPA Method 8260	Table 375-6.8(a): Unrestricted Use SCOs (ppb)	Table 375-6.8(b): Restricted Use SCO - Residential (ppb)	Sample Identification									
			B-1 (9') (05/31/13) (ppb)	B-2 (4') (05/31/13) (ppb)	B-3 (2') (05/31/13) (ppb)	B-3 (9') (05/31/13) (ppb)	B-4 (8') (05/31/13) (ppb)	B-5 (9') (05/31/13) (ppb)	B-6 (9') (05/31/13) (ppb)	B-7 (9') (05/31/13) (ppb)	B-10 (9') (05/31/13) (ppb)	SP-1 (05/31/13) (ppb)
1,1,1,2-Tetrachloroethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NE	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	330	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NE	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	60	NE	13 J	49 J	11	51	41 J	1,400	28	16	70	ND
Benzene	NE	2,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	760	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1,100	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	NE	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	370	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	250	59,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1,000	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NE	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	930	62,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	100,000	3.7 J	ND	3.0 J	5.5 J	15 J	1,900 J	11 J	4.6 J	7 J	ND
Naphthalene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	510 E	ND
n-Butylbenzene	12,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	200	ND
sec-Butylbenzene	11,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1,300	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	190	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	470	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	260	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene*	330	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	120	100,000	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

Notes:

Guidance levels based on BCP Restricted Use, "Residential" SCOs, 6 NYCRR Part 375, Table 375-6.8(b).

J = Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

E = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

ND = Not Detected ; NE = No value indicated.

Blue shade indicates detectable concentrations.

* = Not included in EPA Method 8260.

ESI File: GA13105.20

Table 2: SVOCs in Soil

Analytes USEPA Method 8270	Table 375-6.8(a): Unrestricted Use SCOs (ppb)	Table 375-6.8(b): Restricted Use SCO - Residential (ppb)	Sample Identification									
			B-1 (9') (05/31/13) (ppb)	B-2 (4') (05/31/13) (ppb)	B-3 (2') (05/31/13) (ppb)	B-3 (9') (05/31/13) (ppb)	B-4 (8') (05/31/13) (ppb)	B-5 (9') (05/31/13) (ppb)	B-6 (9') (05/31/13) (ppb)	B-7 (9') (05/31/13) (ppb)	B-10 (9') (05/31/13) (ppb)	SP-1 (05/31/13) (ppb)
Acenaphthene	20,000	100,000	ND	ND	ND	ND	ND	ND	ND	NA	4,550 J	ND
Acenaphthylene	100,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	NE	48,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Anthracene	100,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1,000	1,000	ND	ND	ND	ND	ND	**1,450**	ND	ND	ND	501 J
Benzo(a)pyrene	1,000	1,000	ND	ND	ND	ND	395 J	**1,470**	ND	ND	ND	814 J
Benzo(b)fluoranthene	1,000	1,000	ND	ND	571	ND	ND	**1,650**	ND	ND	ND	ND
Benzo(g,h,i)perylene	100,000	100,000	ND	ND	158 J	ND	ND	503	ND	ND	ND	ND
Benzyl alcohol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Benzo(k)fluoranthene	800	1,000	ND	ND	375	ND	ND	**1,030**	ND	ND	ND	ND
Benzyl butyl phthalate	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Bromophenyl phenyl ether	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Chloro-3-methylphenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Chloroaniline	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Bis(2-chloroethoxy)methane	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Bis(2-chloroethyl)ether	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Bis(2-chloroisopropyl)ether	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Bis(2-ethylhexyl)phthalate	NE	50,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Chloronaphthalene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Chlorophenol	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Chlorophenyl phenyl ether	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Chrysene	1,000	1,000	ND	ND	457	ND	517 J	**1,540**	ND	ND	ND	872 J
Dibenzo(a,h)anthracene	330	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Di-n-butyl phthalate	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
1,2-Dichlorobenzene	NE	NE	ND	ND	ND	ND	727 J	ND	ND	NA	NA	ND
1,4-Dichlorobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
1,3-Dichlorobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
3,3'-Dichlorobenzidine	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4-Dichlorophenol	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Diethyl phthalate	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4-Dimethylphenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Dimethyl phthalate	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4,6-Dinitro-2-methylphenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4-Dinitrophenol	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,6-Dinitrotoluene	NE	1,030	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4-Dinitrotoluene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Di-n-octyl phthalate	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Fluoranthene	100,000	100,000	ND	ND	687	ND	839 J	2,770	ND	ND	10,400	827 J
Fluorene	30,000	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Hexachlorobenzene	NE	410	ND	ND	ND	ND	ND	ND	ND	ND	3,310 J	ND
Hexachlorobutadiene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Hexachlorocyclopentadiene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Hexachloroethane	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Indeno(1,2,3-cd)pyrene	500	500	ND	ND	166 J	ND	ND	496 J	ND	ND	ND	ND
Isophorone	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Methylnaphthalene	NE	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Methylphenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Naphthalene	12,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Nitroaniline	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Nitrobenzene	NE	3,700	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
4-Nitrophenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Nitrophenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
N-nitroso-di-n-propylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
N-Nitrosodimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
N-Nitrosodiphenylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Pentachlorophenol	800	2,400	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Phenanthrene	100,000	100,000	ND	ND	ND	ND	1,180	1,540	ND	ND	ND	ND
Phenol	330	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Pyrene	100,000	100,000	ND	ND	539	ND	748 J	2,110	ND	ND	8,430	803 J
Pyridine	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
1,2,4-Trichlorobenzene	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4,5-Trichlorophenol	NE	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4,6-Trichlorophenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2,4,6-Tribromophenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Fluorobiphenyl	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
2-Fluorophenol	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Nitrobenzene-d5	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Phenol-d5	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
Terphenyl-d14	NE	NE	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
m-Cresol	330	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
o-Cresol	330	100,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND
p-Cresol	330	34,000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND

Notes:
Guidance levels based on BCP Restricted Use, "Residential" SCOs, 6 NYCRR Part 375, Table 375-6.8(b).
J = Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
ND = Not Detected ; NA = Not Analyzed; NE = No value indicated.
Blue shade indicates detectable concentrations.
Bold and yellow shade indicates exceedance of applicable regulatory criteria.
ESI File: GA13105.20

Table 3: PCBs, Pesticides in Soils

PCBs (USEPA Method 8082)	Table 375-6.8(a): Unrestricted Use SCOs (ppb)	Table 375-6.8(b): Restricted Use SCO - Residential (ppb)	Sample Identification							
			B-1 (9') (05/31/13) (ppb)	B-2 (4') (05/31/13) (ppb)	B-3 (2') (05/31/13) (ppb)	B-3 (9') (05/31/13) (ppb)	B-4 (8') (05/31/13) (ppb)	B-5 (9') (05/31/13) (ppb)	B-6 (9') (05/31/13) (ppb)	SP-1 (05/31/13) (ppb)
Aroclor 1016	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	**100**		ND	ND	ND	ND	ND	ND	ND	ND
Aroclor, Total	**100**	**1,000**	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (USEPA Method 8081)										
4,4-DDD	**3.3**	**2,600**	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDE	**3.3**	**1,800**	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDT	**3.3**	**1,700**	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	**5**	**19**	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	**20**	**97**	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	**36**	**72**	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	**40**	**100,000**	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	**7000**	**14,000**	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	**5**	**39**	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	**2400**	**4,800**	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	**2400**	**4,800**	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	**2400**	**4,800**	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	**14**	**2,200**	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	**NE**	**NE**	ND	ND	ND	ND	ND	ND	ND	ND
Enrin ketone	**NE**	**NE**	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	**100**	**280**	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	**42**	**420**	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	**NE**	**77**	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	**NE**	**100,000**	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	**NE**	**NE**	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	**94**	**910**	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	**NE**	**540**	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP Acid (Silvex)*	**3800**	**58,000**	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Guidance levels based on BCP Restricted Use, "Residential" SCOs, 6 NYCRR Part 375, Table 375-6.8(b).
ND = Not Detected ; NE = No value indicated.
* = Not included in EPA Method 8081/8082.
ESI File: GA13105.20

Table 4: Metals in Soils

Compound	Table 375-6.8(a): Unrestricted Use SCOs (ppm)	Table 375-6.8(b): Restricted Use SCO - Residential (ppm)	Sample Identification							
			B-1 (9') (05/31/13) (ppm)	B-2 (4') (05/31/13) (ppm)	B-3 (2') (05/31/13) (ppm)	B-3 (9') (05/31/13) (ppm)	B-4 (8') (05/31/13) (ppm)	B-5 (9') (05/31/13) (ppm)	B-6 (9') (05/31/13) (ppm)	SP-1 (05/31/13) (ppm)
Aluminum	**NE**	**NE**	4,790	4,220	3,890	5,450	5,380	5,230	2,380	7,790
Antimony	**NE**	**NE**	7.29	0.785	ND	ND	ND	3.9	678	ND
Arsenic	**13**	**16**	5.93	4.03	1.65	3.71	2.93	13.6	8.46	4.27
Barium	**350**	**350**	64	39.5	37.7	60.3	39.5	181	95.9	136
Beryllium	**7.2**	**14**	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**2.5**	**2.5**	ND	ND	ND	ND	ND	0.823	ND	ND
Calcium	**NE**	**NE**	28,400	7,880	2,480	33,600	2,440	12,100	6,540	22,000
Chromium	**1**	**22**	11.1	**22**	9.19	7.63	11.6	**24.5**	6.18	19.5
Cobalt	**NE**	**30**	6.21	4.63	4.18	4.3	6.23	7.75	3.5	8.34
Copper	**50**	**270**	122	26.8	21.5	107	3.63	189	60.9	58.3
Iron	**NE**	**2,000**	**42,900**	**9,270**	**8,190**	**10,500**	**10,400**	**28,400**	**11,000**	**17,400**
Lead	**63**	**400**	211	68.1	20.7	62.9	78.3	180	194	110
Magnesium	**NE**	**NE**	3620	1,920	1,980	5,690	2,990	3,970	984	5,840
Manganese	**1,600**	**2,000**	383	105	264	193	67.1	332	334	249
Mercury (total)	**0.18**	**0.31**	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**30**	**140**	13.7	10.2	8.54	8.84	11.7	34.5	10.2	18.8
Potassium	**NE**	**NE**	936	722	642	736	1,410	1,050	404	2,820
Selenium	**3.9**	**36**	3.56	2.2	1.43	1.33	1.68	2.81	3.23	2.07
Silver	**2**	**36**	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**NE**	**NE**	349	270	203	314	200	313	220	253
Thallium	**NE**	**NE**	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NE**	**100**	13.3	12.1	10.2	12.2	20.2	18.4	11.3	24.9
Zinc	**109**	**2,200**	153	49.7	33.7	161	95.8	275	90	154

Notes:

Guidance levels based on BCP Restricted Use, "Residential" SCOs, 6 NYCRR Part 375, Table 375-6.8(b).

ND = Not Detected ; NA = Not Analyzed; NE = No value indicated.

Blue shade indicates detectable concentrations.

Bold and yellow shade indicates exceedance of applicable regulatory criteria.

ESI File: GA13105.20

Table 5: VOCs in Groundwater

VOCS (USEPA Method 8260)	Regulatory Criteria/ Guidance Level µg/L	Sample Identification			
		MW-1 (6/6/13)	MW-2 (6/6/13)	MW-3 (6/6/13)	SW-1 (6/6/13)
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND
1,2,3-Trimethylbenzene	5	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND
1,2-Dibromoethane	5	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND
cis-1,2-Dichloroethylene	5	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	ND
1,2-Dichloroethylene (total)	5	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND
1-Chlorohexane	5	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND
Acetone	5	ND	3.2 J	4.0 J	**13 B**
Benzene	1	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND
Cis-1,3-Dichloropropylene	0.4	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND
Methylene chloride	5	3.2 J	3.2 J,B	2.8 J,B	**19**
Methyl tert-butyl ether (MTBE)	10	3.2 J	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND
Xylenes (o,m,p)	5	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropylene	0.4	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate

J - Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value;

B = Analyte is found in the associated analysis batch blank.

ND = Not Detected.

Blue shade indicates detectable concentrations.

ESI File: GA13105.20

Table 6: SVOCs in Groundwater

SVOCs (USEPA Method 8270)	Regulatory Criteria/ Guidance Level µg/L (parts per billion)	Sample Identification			
		MW-1 (6/6/13)	MW-2 (6/6/13)	MW-3 (6/6/13)	SW-1 (6/6/13)
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	ND	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND
2-Chlorophenol	NE	ND	ND	ND	ND
2-Methylnaphthalene	NE	ND	ND	ND	ND
2-Methylphenol	NE	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND
2-Nitrophenol	NE	ND	ND	ND	ND
3,3-Dichlorobenzidine	5	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	ND	ND	ND	ND
4-Methylphenol	NE	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND
4-Nitrophenol	5	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND
Acenaphthylene	NE	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND
Benzo(a)pyrene	NE	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND
Benzo(ghi)perylene	NE	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND
Benzyl alcohol	NE	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NE	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	**47.7**	ND
Chrysene	0.002	ND	ND	ND	ND
Dibenzo(a h)anthracene	NE	ND	ND	ND	ND
Dibenzofuran	NE	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND
Indeno(1 2 3-cd)pyrene	0.002	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND
n-Nitroso-di-n-propylamine	NE	ND	ND	ND	ND
n-Nitrosodiphenylamine	50	ND	ND	ND	ND
n-Nitrosodimethylamine	50	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND
Pyridine	50	ND	ND	ND	ND

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate.

ND = Not Detected ; NE = No value listed.

Bold and yellow shade indicates exceedance of applicable regulatory criteria.

ESI File: GA13105.20

Table 7: Metals in Groundwater

TAL METAL	Regulatory Criteria/ Guidance Level mg/L (parts per million)	Sample Identification							
		MW-1 (6/6/13)		MW-2 (6/6/13)		MW-3 (6/6/13)		SW-1 (6/6/13)	
		Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Aluminum	**0.1**	ND	0.066	ND	ND	0.029	**0.789**	ND	**0.383**
Antimony	**0.003**	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	**0.025**	ND	ND	ND	0.008	ND	ND	ND	ND
Barium	**1**	ND	0.135	0.062	0.076	0.1	0.111	0.125	0.14
Beryllium	**0.003**	**0.080**	ND	ND	ND	ND	ND	ND	ND
Cadmium	**0.005**	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	**NE**	133	135	146	145	216	216	109	109
Chromium	**0.05**	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	**0.005**	ND	ND	ND	ND	ND	ND	ND	ND
Copper	**2**	ND	ND	ND	ND	ND	ND	ND	0.006
Iron	**3***	0.172	**15.6**	0.548	**10.9**	0.025	1.21	0.58	2.65
Lead	**0.025**	ND	0.008	ND	ND	0.003	0.008	ND	**0.031**
Magnesium	**35**	31.4	30.6	16.2	16.5	27.3	28.1	20.8	20.07
Manganese	**3***	1.13	1.16	0.54	0.546	2.1	2.05	0.785	0.971
Mercury	**0.0007**	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**1**	ND	ND	ND	ND	ND	ND	ND	ND
Potassium	**NE**	9.09	9.72	12.2	12.1	14.6	15.1	11	10.8
Selenium	**0.01**	**0.017**	ND	**0.011**	ND	**0.014**	ND	**0.011**	ND
Silver	**0.05**	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**20**	**170**	**172**	**40.7**	**41.9**	**108**	**112**	**107**	**105**
Thallium	**0.0005**	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**0.014**	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	**2**	ND	0.024	ND	0.029	ND	0.024	ND	0.038

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate.

Blue shade indicates detectable concentrations.

Bold and yellow shade indicates exceedance of applicable regulatory criteria.

ND = Not Detected; NE = No value listed; * = Guidance level for total iron and manganese is 500.

ESI File: GA13105.20

Table 8: Summary of Detetected VOCs in Soil Gas Samples

Results provided in ug/m^3

Compound	Guideline Values	Sample Identification					
		SV-1 (6/3/13)	SV-2 (6/3/13)	SV-3 (6/3/13)	SV-4 (6/3/13)	SV-5 (6/3/13)	SV-6 (6/3/13)
1,1,1-Trichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NE	ND	1.25	ND	ND	ND	0.731
1,2-Dibromoethane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluroethane	NE	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NE	ND	ND	ND	ND	ND	0.247
1,3-Butadiene	NE	ND	0.743	ND	ND	ND	ND
1,3-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NE	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NE	ND	ND	ND	ND	ND	ND
2-Butanone	NE	1.70	1.78	ND	2.22	ND	1.03
2-Hexanone	NE	ND	ND	ND	ND	ND	ND
3-Chloropropene	NE	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	ND	ND	ND	ND	ND	ND
Acetone	NE	89.4	74.2	43.9	111	9.56	47.4
Benzene	NE	1.08	3.60	6.57	ND	ND	ND
Benzyl Chloride	NE	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NE	ND	ND	ND	ND	ND	ND
Bromoform	NE	ND	ND	ND	ND	ND	ND
Bromomethane	NE	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NE	6.73	20.5	8.89	3.02	ND	1.15
Carbon Tetrachloride	NE	ND	ND	ND	ND	ND	ND
Chlorobenzene	NE	ND	0.966	ND	ND	ND	ND
Cloroethane	NE	ND	ND	ND	ND	ND	ND
Chloroform	NE	ND	ND	ND	ND	ND	ND
Chloromethane	NE	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	NE	ND	ND	ND	ND	ND	ND
Cyclohexane	NE	ND	2.14	ND	ND	ND	ND
Dichlorodifluoromethane	NE	ND	ND	ND	ND	ND	0.589
Ethyl acetate	NE	ND	ND	ND	ND	ND	ND
Ethanol	NE	ND	ND	ND	ND	ND	42.8
Ethylbenzene	NE	ND	0.813	13.2	ND	ND	0.257
Freon-113	NE	ND	ND	ND	ND	ND	ND
Isopropanol	NE	ND	ND	ND	ND	ND	ND
Methylene Chloride	60	ND	7.80	ND	ND	ND	1.07
MTBE	NE	ND	0.803	ND	ND	ND	ND
Heptane	NE	ND	1.90	ND	ND	ND	0.701
n-Hexane	NE	1.64	6.08	ND	ND	ND	0.748
o-Xylene	NE	ND	1.26	12.3	1.14	ND	0.418
p- & m-Xylenes	NE	ND	2.64	39.8	3.69	ND	1.12
p-Ethytoluene	NE	ND	ND	ND	ND	ND	ND
Propylene	NE	16.6	61.2	9.24	ND	ND	1.07
Styrene	NE	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	100	9.96	0.920	2.37	ND	ND	0.325
Tetrahydrofuran	NE	ND	ND	ND	ND	ND	ND
Toluene	NE	ND	3.38	132	7.76	1.04	0.796
trans-1,2-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	NE	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	1.64	ND	ND	ND	ND	ND
Trichlorofluoromethane	NE	1.4	ND	ND	ND	ND	0.337
Vinyl acetate	NE	ND	ND	ND	ND	ND	ND
Vinyl Bromide	NE	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NE	ND	ND	ND	ND	ND	ND

Notes

Guideline values based on the NYSDOH Guidance for Evaluating Soil Vapor Instrusion in the State of New York, dated October 2006.

Blue shade indicates detectable concentrations.

ND = Not Detected.

NE = Not Established.

ESI File: GA13105.20

APPENDICES

APPENDIX 1

Previous Environmental Reports

4.0 INFORMATION FROM HISTORICAL SOURCES

4.1 Interviews

Mr. Dominick Acquista of TTW Realty LLC, site owner, provided information regarding the site. The site has reportedly been owned by TTW Realty LLC for approximately five years (since 2000) during which time it has been vacant land used for parking and storage. He stated that he believed all groundwater monitoring wells were previously removed from the site. Mr. Lorenzo DeVardo of Vardo Construction provided site access. He provided information regarding the tenants that occupy the site. He stated that empty roll off containers are stored on the site and the site is not a waste transfer facility. ECEA was unaccompanied during the site reconnaissance.

4.2 Sanborn Fire Insurance Maps

In order to further document the past uses of the property and its surroundings, ECEA reviewed Sanborn fire insurance maps showing the property and portions of the adjacent properties for the years 1898, 1915, 1936, 1948, 1950, 1967, 1977, 1979, 1981, 1985, 1986, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995 and 1996 (see Appendix A). These maps depict the following history:

Steinway electric Railroad

1898: The subject property consists of approximately 16 lots, many of which are vacant. The north side of the subject property is developed with two one-story buildings identified as car sheds. The southeast corner of the subject property near the intersection of Steinway St. and 20th Ave. is developed with a lamp repairing facility and a one-story storage shed. Four small unidentifiable structures, similar to sheds, are interspersed with the vacant land in the middle portion of the property.

1915-1936: The subject property consists of one large lot, similar to the present. The southeast corner of the subject property is developed is a one-story building at 19-80 Steinway Ave./38-17 20th Ave. (Winthrop Ave.) identified as Steinway Railways Emergency Crew, which contains an office and sleeping quarters. The remainder of the subject property is vacant.

1948-1967: The subject property consists of one large lot, similar to the present. The north side of the subject property is vacant. The south portion of the site is developed with three one-story buildings: a private garage with a capacity for 36 trucks at 1970 Steinway Ave., Steinway Omnibus Corporation shown with three

buried gasoline tanks in the southeast portion of the site near Steinway Ave., and the prior one-story building in the southeast corner of the subject property at 19-80 Steinway Ave./38-17 20th Ave. (Winthrop Ave.), which is now shown with an addition built on it and identified as being a repair shop. Receiving warehouse 1966 ?

1977-1986: The subject property appears similar to the 1967 Sanborn map with the exception that a one-story building has been added in the southwest corner of the subject property as an addition to the repair shop and noted as being built in 1974.

1988-1990: The subject property appears similar to the 1986 Sanborn map with the exception that the north side of the subject property that was previously vacant is now identified as being used for bus parking.

1991-1996: All structures have been demolished and the subject property consists of a vacant lot. The prior buried gasoline tanks are no longer shown.

No environmental concerns were shown on the adjoining properties to the north and west of the subject property. The adjoining properties to the south and east of the subject property were not shown on the Sanborn maps reviewed.

4.3 Review of Prior Environmental Reports

ECEA was provided with prior environmental reports and correspondence with the New York State Department of Environmental Conservation (NYSDEC) prepared by Walden Associates, Inc., as environmental consultants to Schwab Goldberg Price and Dannay (see Appendix B). The following documents were provided to and summarized by ECEA:

- Phase I Environmental Site Assessment, 19-80 Steinway Street, August 26, 1996;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Site Investigation and Closure report, April 28, 1997;
- Site Investigation and Closure report, Queensboro Bridge Railway Company, Inc., 19-80 Steinway Street, April 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Proposal for Additional Sampling/Site Closure, July 29, 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Soil and Groundwater Investigation Work, August 19, 1997;

- Phase II Site Investigation/Site Closure report, 19-80 Steinway Street, Spill #96-13073, December 22, 1997; and
- Correspondence from NYSDEC spill case manager, Mark Tibbe, May 28, 1998 regarding spill closure.

The Phase I report indicates that the former Steinway Omnibus Corporation on the site used the original north garage for bus washing, refueling and heavy engine maintenance and used the west garage, which was an addition built in 1974, for standard bus repairs and maintenance. The bus garages were abandoned in 1988 and demolished in 1991 except for the basements, which remained. The Phase I identified: eight underground storage tanks (USTs) that were improperly abandoned; four tank bed monitoring wells, one of which contained a mixture of diesel fuel and water; at least ten hydraulic lifts underlined by maintenance pits with underground piping systems for oil; and surficially stained pavement.

The Site Investigation and Closure report details investigative and remedial work performed at the site under the oversight of Walden Associates, Inc. to prepare it for sale including: pump out and removal of eight underground storage tanks (USTs) (three 4,000 gallon diesel USTs, which were shown on the Sanborn maps; two 2,000 gallon no. 2 fuel oil USTs; one 2,000 gallon no. 6 fuel oil UST; and two 1,000 gallon hydraulic oil USTs) that were located within three tank beds on the west side of the site by 38th Street, on the east side of the street by Steinway Street, and on the south side of the site by 20th Avenue; cleaning and removal of an oil water separator with a 150 gallon holding tank that was located at the southwest corner of the site by 38th Street and 20th Avenue; draining and removal of 18 hydraulic lifts and piping on the south side of the site by 20th Avenue; demolition of the basement concrete slab of the former structure; collection of post-excavation soil samples; excavation and off-site disposal of 740 cubic yards of concrete and 1,808 cubic yards (1,864 tons) of petroleum contaminated soil; backfilling excavations with clean fill and uncontaminated soil from the site; installation of six monitoring wells; and collection of groundwater samples.

As a result of the investigative and remedial work, spill incident no. 9613073 was reported to the NYSDEC on 2/4/1997. The east and west tank excavations were noted to contain petroleum stained soil, which was reportedly excavated. The most extensive petroleum contamination on the site was noted in fill material and free floating product on the groundwater table within the basement area of the former structure in the south portion of the site, which was reportedly remediated by excavating to 2 feet below the water table until clean soil was observed.

The Phase II Site Investigation/Site Closure report details the additional investigative work that was required by NYSDEC to close the spill incident and demonstrate no further remedial action was necessary.

Ten soil samples were collected on 2/6/1997 and laboratory analyzed for Volatile Organic Compounds (VOCs), Semi-VOCs and 8 RCRA Metals. The results were compared to NYSDEC TAGM Recommended Soil Cleanup Objectives. The soil sample results showed VOCs below standards, Several Semi-VOCs slightly exceeding the standards at one or more locations, and 2 of 8 RCRA Metals (Chromium and Mercury) slightly exceeding standards/background levels at one location each. Six additional soil samples were collected beneath the fill material and above the groundwater table on 10/8/1997 and laboratory analyzed for VOCs and Semi-VOCs. The results were compared to NYSDEC STARS TCLP Alternative Guidance Values. The soil sample results showed several VOCs and Semi-VOCs slightly exceeding the standards at one or more locations.

Three 4"-diameter approximately 20'-deep groundwater monitoring wells (MW1, MW2, MW3) were installed between 9/4/1996 and 9/10/1996, from which groundwater samples were collected on 9/10/1996 and on 2/21/1997. The first round of groundwater samples was laboratory analyzed for a fuel constituent scan and a solvent scan by USEPA methods 8010 and 8020. The second round of groundwater samples was laboratory analyzed for VOCs by USEPA method 8021, Semi-VOCs by USEPA method 8270, and 8 RCRA Metals. Three additional 2"-diameter approximately 16'-deep groundwater monitoring wells (MW4, MW5, MW6) and one additional temporary groundwater sampling point (GP-1) were installed between 10/8/1997 and 10/10/1997, from which groundwater samples were collected on 10/10/1997 and laboratory analyzed for VOCs by USEPA method 8021 and Semi-VOCs by USEPA method 8270. Walden Associates, Inc. reportedly encountered no free floating product in any of the monitoring wells. The results of all groundwater samples were compared to New York State Department of Health (NYSDOH) class GA groundwater standards. The results of all groundwater samples collected from permanent monitoring wells were below standards with the exception of the following VOCs that slightly exceeded the standards: MTBE, Benzene, Xylene, and Napthalene. MTBE was attributed to an off-site source because it is a compound specifically related to gasoline, which there is no indication was stored on the site. The results of the groundwater sample collected from the temporary groundwater sampling point slightly exceeded standards for one or more Semi-VOCs.

Walden concluded that "...groundwater sampling results indicated non-detectable

petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures."

The NYSDEC spill closure letter of May 28, 1998 states: "Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. The Department requires no further action to be taken at this site. The spill number assigned to this site will be closed as of this date. Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed. It does not exempt the owner of this property from unforeseen or future environmental problems at this site, directly or indirectly related to the contamination source which initiated this work."

Based on the conclusions in Walden's report and the wording of NYSDEC's spill closure letter, it is ECEA's opinion that it is likely that there is residual soil contamination at the site that may be encountered upon excavation for the proposed new development.

5.0 INFORMATION FROM SITE RECONNAISSANCE

5.1 Site Reconnaissance

On March 14, 2005, Christine Beaver of ECEA, conducted a site reconnaissance as part of this Phase I Environmental Site Assessment. During the site reconnaissance, the property was visually and physically observed. (See Appendix C for Photographs).

The subject property consists of an approximately 60,016 square foot rectangular-shaped vacant previously developed lot. The site is enclosed by a chain link fence and a building at 19-50 Steinway Street. The subject property is a vacant lot divided into five sections by chain link fences. Access to the site is provided by various gates along 38th Street, 20th Avenue, and Steinway Street. The following observations were made during the site reconnaissance:

North portion of the site
The northern portion of the site was unoccupied. This portion of the site was paved with concrete and there was a concrete curb and an elevated platform along the southern portion.

Central West portion of the site fronting 38th Street
The central west portion of the site was being used for parking trucks and the storage of approximately ten empty roll off containers labeled "ABC Contracting", five empty 500-gallon plastic holding tanks, and wooden pallets (see section 5.5 for additional information). This portion of the site was covered with fill material and paved areas of concrete.

Central East portion of the site fronting Steinway Street
The central east portion of the site was being used for parking trucks labeled "Olympic Waste Removal" and the storage of approximately seven roll off containers labeled "Olympic Waste Removal". Some of the roll off containers contained household debris and the others were empty (see section 5.5 for additional information). This portion of the site also contained a mobile trailer and a mobile storage container that could not be accessed for inspection. This portion of the site was covered with fill material.

Southwest portion of the site at the corner of 38th Street and 20th Avenue
The southwest portion of the site was being used for parking construction vehicles

and the storage of five roll off containers by Vardo Construction. One of the roll off containers contained dirt and concrete and the others were empty. This portion of the site was covered with fill material and remnant paved areas of asphalt and concrete. Minor household debris was littering the northeast corner of this portion of the site.

Southeast portion of the site at the corner of Steinway Street and 20th Avenue
The southeastern portion of the site was being used for parking cars and buses to be repaired by Steinway Auto. This portion of the site was covered with fill material and remnant paved areas of asphalt. Some tires and a 55-gallon drum were also stored in this portion of the site (see section 5.2 for additional information).

No signs of distressed vegetation were observed at the site. No stained soil or petroleum or chemical odors were noted at the site. No evidence of wells, cesspools or septic tanks was observed at the site.

5.2 Hazardous Substance and Unidentified Substance Containers

One 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto. The drum was unlabeled and filled with a liquid having a solvent-like odor. There was no evidence of leaks or spills in the vicinity of the drum (see section 5.5 for additional information.

Cars, trucks, and construction vehicles stored on the site are motor vehicles with small tanks that may contain gasoline, diesel fuel, and hydraulic oil. There was no evidence of leaks or spills in the vicinity of the motor vehicles.

No other hazardous or unidentified substance containers were observed during the site visit.

5.3 Storage Tanks

No evidence of underground or aboveground storage tanks (fill port, vent pipes, etc.) were noted on the subject property.

5.4 PCBs

Polychlorinated Biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers, light ballasts, electrical panels or other similar

equipment. No PCB-containing equipment was observed at the site.

5.5 Solid Waste Disposal and Hazardous/Biohazardous Waste Disposal

No evidence of solid, hazardous, or biohazardous waste generation was observed during the site inspection.

Numerous roll off containers for solid waste were stored on the site. The roll off containers for ABC Contracting were identified with hazardous waste transporter identification numbers: NYSDEC 2A-401 and NJDEP 22280. The roll off containers for Olympic Waste Removal were identified as containing "Municipal and/or Residual Waste." The roll off containers for Vardo Construction were unlabeled.

As discussed in section 5.2 one 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto. The drum was unlabeled and filled with a liquid having a solvent-like odor. As discussed in section 7.2.3, Steinway Auto at 20-02 Steinway Street, the adjoining property to the southwest, is a registered small quantity RCRA hazardous waste generator facility with a history of generation and disposal of spent non-halogenated solvents.

5.6 Radon

The New York State Department of Health maintains statistics on radon gas levels in New York State by County. As of July 2004, 429 sites have been tested for radon gas to date in Queens County. These tests yielded an average radon concentration of 1.2 picocuries per liter (pCi/L). This value is below the USEPA action level of 4.0 pCi/L. Therefore, it is not likely that radon gas poses a significant environmental hazard to the subject property.

Phase II Environmental Site Investigation Report

19-73 38th Street
Astoria, New York 11105

November 15, 2005

Prepared For:

Mr. Dominick Aquista
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c/o Vardo Construction Corporation
Astoria, NY 11105

For Submittal to:

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Phase II Environmental Site Investigation Report
19-73 38th Street
Astoria, New York 11105

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Figure 1 Site Location Map
Figure 2 Sample Location Map

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Table 1	Soil Gas Sample Results Summary – Total Volatile Organics Compounds
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Table 4	Groundwater Sample Results Summary

Appendices

Appendix A	Soil Boring Logs
Appendix B	EMSL Laboratory Analysis Report and Chain of Custody Forms
Appendix C	AmeriSci Laboratory Analysis Report and Chain of Custody Forms

1.0 Introduction/Site Background

The site is an approximately 60,016 SF rectangular-shaped property consisting of Tax Block 811, Lot 1, located at the southern end of the block bounded by 20th Avenue, 38th Street, 19th Avenue, and Steinway Street, in the Astoria neighborhood, in the Borough of Queens (Queens County), New York City, New York (See Figure 1, Site Location Map). The entire site is located in a M1-1 (manufacturing) zoning district.

The site is shown on the United States Geological Survey (USGS) topographic map of the Central Park Quadrangle (See Figure 1, Site Location Map) at an elevation of approximately 20 feet above mean sea level. The surface of the subject site is relatively flat. The Site Investigation and Closure Report, prepared by Walden Associates, Inc., dated June 1997 indicates that groundwater elevations collected from six on-site monitoring wells are at a depth of approximately 7.6-8.79 feet below grade and groundwater flow in the vicinity of the project site is to the east.

The environmental conditions of the site known to date have been presented in the following reports:

- Phase I Environmental Site Assessment; 19-80 Steinway Street; Walden Associates, Inc.; August 26, 1996;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Site Investigation and Closure report; April 28, 1997;
- Site Investigation and Closure report; Queensboro Bridge Railway Company, Inc.; 19-80 Steinway Street; Walden Associates, Inc.; June 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Proposal for Additional Sampling/Site Closure; July 19, 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Soil and Groundwater Investigation Work; August 19, 1997;
- Phase II Site Investigation/Site Closure report; 19-80 Steinway Street; Spill #96-13073; Walden Associates, Inc.; December 22, 1997;
- Correspondence from NYSDEC spill case manager, Mark Tibbe; May 28, 1998 regarding spill closure; and
- Phase I Environmental Site Assessment Update; 19-73 38th Street; Ethan C. Eldon Associates, Inc.; March 16, 2005.

The findings and conclusions of the reports are summarized as follows:

The Phase I report from August 26, 1996 indicates that the former Steinway Omnibus Corporation on the site used the original north garage for bus washing, refueling, and heavy engine maintenance and used the west garage, which was an addition built in 1974, for standard bus repairs and maintenance. The bus garages were abandoned in 1988 and demolished in 1991 except for the basements, which remained. The Phase I identified: eight underground storage tanks (USTs) that were improperly abandoned; four tank bed monitoring wells, one of which contained a mixture of diesel fuel and water; at least ten hydraulic lifts underlined by maintenance pits with underground piping systems for oil; and surficially stained pavement.

The Site Investigation and Closure report details investigative and remedial work performed at the site under the oversight of Walden Associates, Inc. to prepare it for sale including: pump out and removal of eight USTs (three 4,000 gallon diesel USTs, which were shown on the Sanborn maps; two 2,000 gallon no. 2 fuel oil USTs; one 2,000 gallon no. 6 fuel oil UST; and two 1,000 gallon hydraulic oil USTs) that were located within three tank beds on the west side of the site by 38th Street, on the east side of the site by Steinway Street, and on the south side of the site by 20th Avenue; cleaning and removal of an oil water separator with a 150 gallon holding tank that was located at the southwest corner of the site by 38th Street and 20th Avenue; draining and removal of 18 hydraulic lifts and piping on the south side of the site by 20th Avenue; demolition of the basement concrete slab of the former structure; collection of post-excavation soil samples; excavation and off-site disposal of 740 cubic yards of concrete and 1,808 cubic yards (1,864 tons) of petroleum contaminated soil; backfilling excavations with clean fill and uncontaminated soil from the site; installation of six monitoring wells; and collection of groundwater samples.

As a result of the investigative and remedial work, spill incident no. 9613073 was reported to the NYSDEC on 2/4/1997. The east and west tank excavations were noted to contain petroleum stained soil, which was reportedly excavated. The most extensive petroleum contamination on the site was noted in fill material and free floating product on the groundwater table within the basement area of the former structure in the south portion of the site, which was reportedly remediated by excavating to two feet below the water table until clean soil was observed.

The Phase II Site Investigation/Site Closure report details the additional investigative work that was required by the NYSDEC to close the spill incident and demonstrate no further remedial action was necessary.

Ten soil samples were collected on 2/6/1997 and laboratory analyzed for Volatile Organic Compounds (VOCs), Semi VOCs and 8 RCRA Metals. The results were compared to NYSDEC TAGM Recommended Soil Cleanup Objectives. The soil sample results showed VOCs below standards, several Semi-VOCs slightly exceeding the standards at one or more locations, and two of the 8 RCRA Metals (Chromium and Mercury) slightly exceeding standards/background levels at one location each. Six additional soil samples were collected beneath the fill material and above the groundwater table on 10/8/1997 and laboratory analyzed for VOCs and Semi-VOCs. The results were compared to NYSDEC STARS TCLP Alternative Guidance Values. The soil sample results showed several VOCs and Semi-VOCs slightly exceeding the standards at one or more locations.

Three 4"-diameter approximately 20'-deep groundwater monitoring wells (MW1, MW2, MW3) were installed between 9/4/1996 and 9/10/1996, from which groundwater samples were collected on 9/10/1996 and 2/21/1997. The first round of groundwater samples were laboratory analyzed for a fuel constituent scan and a solvent scan by USEPA methods 8010 and 8020. The second round of groundwater samples were

laboratory analyzed for VOCs by USEPA method 8021, Semi-VOCs by USEPA method 8270, and 8 RCRA Metals. Three additional 2"-diameter approximately 16'-deep groundwater monitoring wells (MW4, MW5, MW6) and one additional temporary groundwater sampling point (GP-1) were installed between 10/8/1997 and 10/10/1997, from which groundwater samples were collected on 10/10/1997 and laboratory analyzed for VOCs by USEPA method 8021 and Semi-VOCs by USEPA method 8270. Walden Associates, Inc. reportedly encountered no free floating product in any of the monitoring wells. The results of all groundwater samples were compared to New York State Department of Health (NYSDOH) class GA groundwater standards. The results of all groundwater samples collected from permanent monitoring wells were well below standards with the exception of the following VOCs that slightly exceeded the standards: MTBE, Benzene, Xylene, and Napthalene. MTBE was attributed to an off-site source because it is a compound specifically related to gasoline, which there is no indication was stored on the site. The results of the groundwater sample collected from the temporary groundwater sampling point slightly exceeded the standards for one or more Semi-VOCs.

Walden concluded that "...groundwater sampling results indicated non-detectable petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures."

The NYSDEC spill closure letter of May 28, 1998 states: "Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. The Department requires no further action to be taken at this site. The spill number assigned to this site will be closed as of this date. Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed. It does not exempt the owner of this property from unforeseen or future environmental problems at this site, directly or indirectly related to the contamination source which initiated this work."

The Phase I update from March 16, 2005 indicates that the site is currently vacant land and used for parking and storage of roll-off containers. Although solid, hazardous, and biohazardous wastes are not generated on site, solid and hazardous wastes appeared to be stored on the site. One 55-gallon metal drum was observed on the southeast corner of the site. The drum was unlabeled and filled with a liquid having a solvent-like odor. Some of the roll-off containers were empty while others contained household debris or dirt and concrete. Based on the conclusions in Walden's report and the wording of NYSDEC's spill closure letter, it is likely that there is residual soil contamination at the site that may be encountered upon excavation for the proposed redevelopment of the site.

The Phase II Investigation is being performed in accordance with City Environmental Quality Review (CEQR) procedures to determine if the site has been impacted by on-site and/or off-site sources of chemicals and/or petroleum products due to its location in a manufacturing zone, and the proposed redevelopment of the site for mixed use (See Figure 2, Zoning Analysis, Figure 3 Existing Site Plan, and Figure 4, Proposed Site Plan). TTW Realty proposes the redevelopment of the site with a 4-story, approximately 120,000 square foot (zoning floor area) mixed-use building with 108 residential units, commercial space, medical offices, and 223 accessory parking spaces which will require a bulk and use zoning variance from the Board of Standards and Appeals (BSA).

2.0 Scope of Work

The scope of work was performed in general accordance with the Phase II Investigation Workplan, prepared by Ethan C. Eldon Associates, Inc. on behalf of TTW Realty LLC, September 6, 2005, and approved by the New York City Department of Environmental Protection, September 21, 2005. The approved scope of work included a soil gas survey, surface and subsurface soil sampling, and groundwater sampling. Fieldwork was conducted on October 7 and 10, 2005.

3.0 Soil Boring Locations

Direct push drilling was performed by Zebra Environmental Corp. using a Geoprobe on October 7 and 10, 2005 in order to collect soil gas, soil, and groundwater samples from the site. Field observations and samples were collected by a Geologist from Ethan C. Eldon Associates, Inc.

A total of 33 soil borings including 24 soil gas points (SG-1 to SG-24), 9 soil sampling locations (SB-1 to SB-9), and 4 groundwater sampling locations (SB-1/GW-1 to SB-4/GW-4) are shown on Figure 2.

Since the purpose of the soil gas survey was to investigate for the potential presence of volatile organic vapors relating to on-site and/or off-site sources of chemicals and/or petroleum products due to its location in a manufacturing zone, soil gas points were set up in a 50-foot by 50-foot grid pattern across the site. Of the 24 soil gas points, 18 (SG-1, SG-4, SG-5, SG-8, SG-9, and SG-12 to SV-24) were collected within the excavation area for the cellar of the proposed mixed use building.

Nine soil boring locations (SB-1 to SB-9) were set up to investigate soil quality throughout the property. A goal of approximately one soil sampling location per 6,500 SF was achieved. Of the nine soil sampling locations, all (SB-1 and SB-9) were within excavation area for the cellar of the proposed mixed use building.

Four soil boring locations (SB-1/GW-1 to SB-4/GW-4) were completed to groundwater and used as groundwater sampling locations, at each of the four corners of the site, to investigate groundwater quality for potential impacts from adjacent manufacturing sites.

4.0 Sampling Methodology

4.1 Soil Gas

Soil gas samples were collected through the Geoprobe rods using an inline sampling system. A clean drive point adaptor and new expendable point was advanced to approximately 5 feet below grade. The probe rod was then retracted approximately 3 inches to create a void allowing the migration of soil vapor into the bottom of the drive point adaptor. Dedicated polyethylene tubing was then attached to the stainless steel adaptor and inserted into the probe rod and extended to the bottom of it. The line was purged by drawing a measured volume of soil gas/vapor through the tubing using a vacuum/volume system mounted in Zebra's vehicle. The tubing connected to the drive point adapter was then disconnected from the vacuum system and attached to a 1-liter Tedlar sampling bag and the vacuum system was then used to draw a vacuum on an airtight box which contained the sampling bag. The bag being subjected to an exterior vacuum filled with soil vapor from the poly tubing connected to the drive point adaptor.

The soil gas sampling depth was selected based on the proposed excavation depth to 10 feet below grade for the cellars of the proposed mixed use building

4.2 Soil

Soil samples were collected using a Macro-core stainless steel split spoon sampler fitted with disposable acetate liners driven to a designated soil interval by the Geoprobe. The Macro-core used was a 60" long 1.75" diameter sampler. Soil cores were visually inspected, split into 24" long soil sample intervals, transferred to plastic sample bags to homogenize the discrete soil sample intervals, and the headspace screened for volatile organic vapors in the field using an HNu PI-101 10.2eV photoionization detector (PID). Selected soil sample intervals were retained for laboratory analysis based on the field observations.

4.3 Groundwater

Groundwater samples were collected through the Geoprobe with the installation of a temporary well screen at the soil-groundwater interface instead of the installation of permanent monitoring wells. A 24" long stainless steel temporary well screen was used. Groundwater at the site was noted in the saturated soil sample interval at 6-11 feet below grade. The temporary well screen was, therefore, installed at a depth of 11-13 feet below grade. Groundwater was extracted under pressure using disposable plastic tubing fitted with a check valve. Groundwater samples for metals were field filtered to obtain dissolved concentrations.

5.0 Field Observations

5.1 Soil Gas

Soil gas samples retained in the Tedlar bags were screened for volatile organic vapors in the field using an HNu PI-101 10.2eV photoionization detector (PID). PID concentrations ranged from 0.0 to 12.8 parts per million (ppm) (See Table 1). Only one sample (SG-20) showed significantly elevated PID readings; therefore, six soil gas samples, were selected for confirmatory laboratory analysis.

5.2 Soil

Field observations were recorded on the Soil Boring Logs, which are provided as Appendix A. The lithology of the site beneath the asphalt pavement consists of black-brown sand and fill containing brick and concrete cobbles, gravel and cobbles. None of the soil samples displayed visual or olfactory evidence of contamination. PID concentrations ranged from 0.0 to 40.0 parts per million (ppm) (see Appendix A).

Two soil sample intervals collected from each soil boring within the unsaturated zone were transferred to glass jars and retained for laboratory analysis. The first soil sample interval retained for laboratory analysis was collected at the surface. The second soil sample interval retained for laboratory analysis was selected based on the interval that exhibited the highest PID reading.

5.3 Groundwater

Groundwater was observed in a saturated soil sample interval collected at 6-11 feet below grade. No free phase product evidence of contamination was noted in the groundwater beneath the site. Samples taken at SB3/GW-3 and SB-4/GW-4 had olfactory evidence of a petroleum product.

6.0 Laboratory Analytical Methods

Laboratory methods accepted by the United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) were used to analyze the samples.

6.1 Soil Gas

Six soil gas samples (SG-2, SG-4, SG-6, SG-12, SG-14, SG-20) were submitted for confirmatory laboratory analysis of Toxic Volatile Organic Compounds in Air by USEPA method TO-15.

6.2 Soil

18 soil samples were submitted for the following laboratory analysis: Volatile Organic Compounds (VOCs) by USEPA method 8260, Semivolatile Organic Base Neutral Compounds (SVOCs) by USEPA method 8270, Pesticides and Polychlorinated Biphenyls (PCBs) by USEPA method 8080 and Target Analyte List Metals (TAL Metals) by method 6010/SW-846.

6.3 Groundwater

Four groundwater samples were submitted for the following laboratory analysis: Volatile Organic Compounds (VOCs) by USEPA method 8260, Semivolatile Organic Base Neutral Compounds (SVOCs) by USEPA method 8270, Pesticides and Polychlorinated Biphenyls (PCBs) by USEPA method 608 and Target Analyte List Metals (TAL Metals) by USEPA methods 200.7 and 245.2.

7.0 Laboratory Analytical Results

Laboratory analytical results were requested in a reduced laboratory deliverables format. Soil gas sample results are summarized in Table 2 and the laboratory report provided in

Appendix B. Soil gas sample laboratory results are compared to the field screening results in Table 1. Soil and groundwater sample results are summarized in Tables 3 and 4, respectively, and the combined laboratory report provided in Appendix C.

7.1 Soil Gas

Soil gas sample results were evaluated using the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Public Comment Draft, February 2005).

When comparing the laboratory results and the field screening results for the soil gas survey, the laboratory results are slightly lower in concentration than the field screening results.

The laboratory soil gas sample results indicated that the Volatile Organic Compounds (VOCs) detected at the site are: Propylene, 1,3-Butadiene, Freon 11 (Trichlorofluoromethane), Isopropyl alcohol, Acetone, Carobon disulfide, n-Hexane, 2-Butanone, Ethyl acetate, Cyclohexane, n-Heptane, Benzene, Trichlorocthene, Toluene, Ethylbenzene, Xylenes, 4-Ethyltoluene, 1,3,5-Trimethylbenzene, and 1,2,4-Trimethylbenzene. However, the concentrations of these VOCs are low.

7.2 Soil

Soil sample results were compared to the Recommended Soil Cleanup Objectives (RSCOs) provided in the New York State Department of Environmental Conservation, Division of Environmental Remediation, Technical and Administrative Guidance Memorandum 4046: Determination of Soil Cleanup Objectives and Cleanup Levels (January 1994).

Soil sample results indicated no detectable concentrations of PCBs at the site.

The Volatile Organic Compounds detected were Acrolein, Acetone, Carbon Disulfide, Naphthalene, 2-Butanone, Styrene, 4-Isopropyltoluene. However, all the concentrations are below the regulatory standard except for Acetone which was present in one sample (SB-4 2'-4') and it was noted by the laboratory that the compound concentration still exceeded the calibration range after multiple dilutions for Acetone in this sample.

Soil sample results indicated no detectable concentrations of pesticides at the site

Several Semivolatile Organic Compounds were detected at all locations except SB-9 of which the following exceeded the regulatory standard: Dibenzofuran, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Indeno(1,2,3-cd)Pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, and/or Benzo(g,h,i)perylene.

Metals results are compared to site background levels since they can be naturally occurring in soil. All soil sample locations except SB-9 had one or more of the following

Metals exceeding site background levels in the surface and/or subsurface soil: Arsenic, Cadmium, Calcium, Copper, Lead, Magnesium, Mercury, Nickel, and/or Zinc.

7.3 Groundwater

Groundwater sample results were compared to the Class GA Groundwater Standards provided in the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series 1.1.1: Water Quality Standards Surface Waters and Groundwater (August 1999).

Groundwater sample results indicated no detectable concentrations of Semivolatile Organic Compounds, Pesticides or PCBs at the site.

The only Volatile Organic Compound detected was MTBE in the sample collected at GW-2, but the concentration is well below the regulatory standard.

All groundwater sample locations (GW-1 to GW-4) had one or more of the following Metals: Aluminum, Arsenic, Barium, Calcium, Copper, Iron, Lead, Magnesium, Manganese, Potassium, Sodium, and/or Zinc. However, all concentrations are well below the regulatory standard.

8.0 Quality Assurance/Quality Control

Quality Assurance/Quality Control procedures were implemented to guarantee the integrity of the samples and the scientific data.

Sampling equipment used was either disposable single use items or decontaminated between uses with a mixture of Alconox detergent and water.

The PID was calibrated prior to use with 100 parts per million of Isobutylene gas in accordance with the manufacturer's operation manual.

Soil and groundwater samples were collected in laboratory prepared glassware and preserved in accordance with NYSDEC Sampling Guidelines and Protocols (September 1992) including ice to maintain a temperature of 4 degrees Celsius.

Samples were analyzed within the appropriate holding times in accordance with NYSDEC Sampling Guidelines and Protocols (September 1992).

9.0 Conclusions

Only one soil gas sample (SG-20) contained elevated concentrations of contaminants in both the site investigation and by the laboratory analysis.

Surface soil samples contained elevated concentrations of Semivolatile Organic Compounds and Metals.

No significantly elevated concentrations of contaminants in the groundwater samples were noted during the site investigation or by the laboratory analysis.

10.0 Recommendations

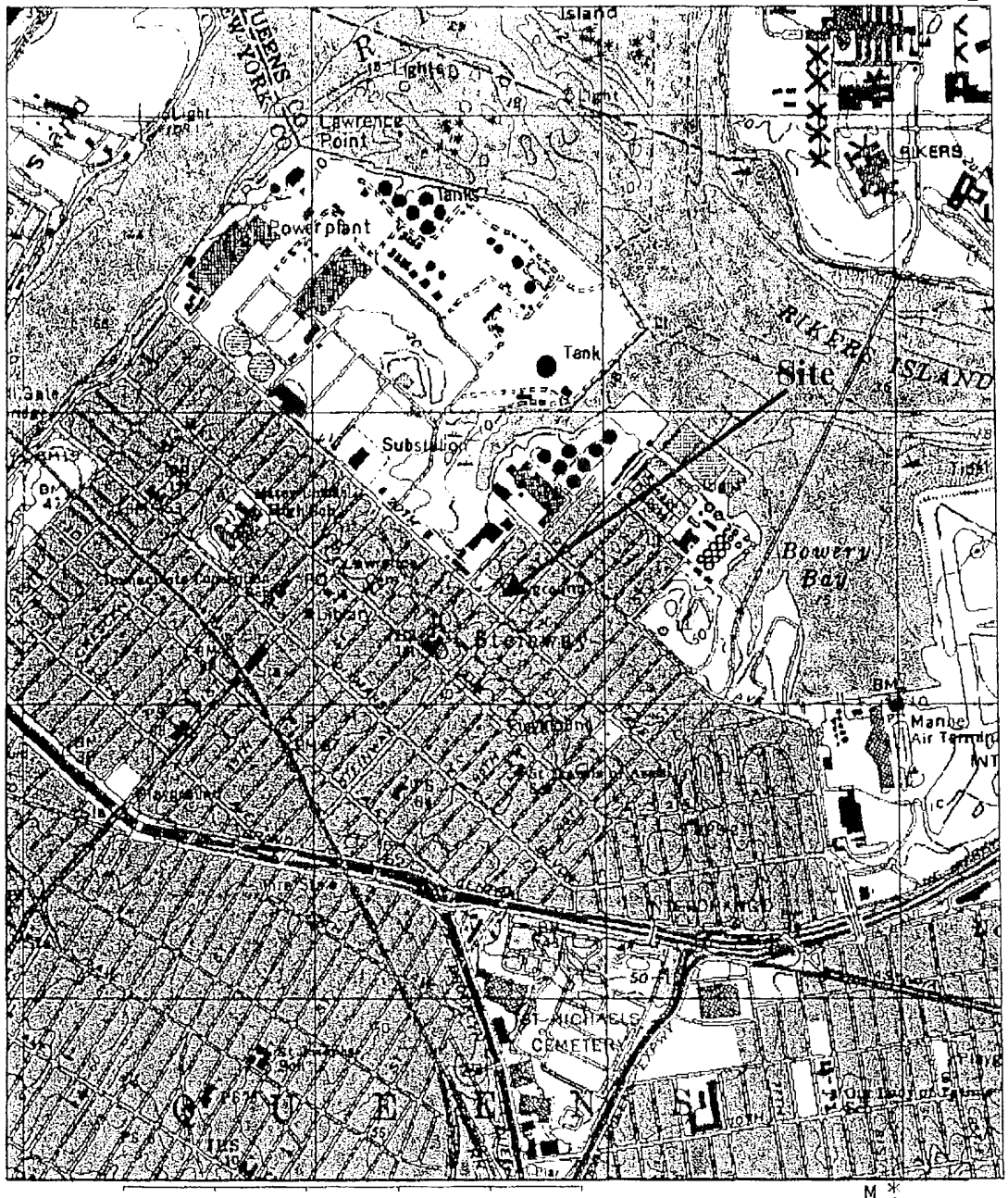
Based on the results of the Phase II Environmental Site Investigation, Ethan C. Eldon Associates, Inc. provides the following recommendations:

The site specific Health and Safety Plan (HASP) should be revised to incorporate the results provided in this report for use during site redevelopment, which will include soil excavation activities.

A Remedial Action Plan (RAP) should be prepared for the site redevelopment, which will include soil excavation activities.

Based on the elevated concentrations of Metals and Semivolatile Organic Compounds, excavated soil should be transported off-site and disposed at an approved facility and 2 feet of clean fill should be placed over any areas of the site that are not either excavated or paved because the proposed project will have residential use. Once these measures are implemented, exposure to potential hazardous materials will be mitigated and present a low potential environmental risk.

Site Location Map

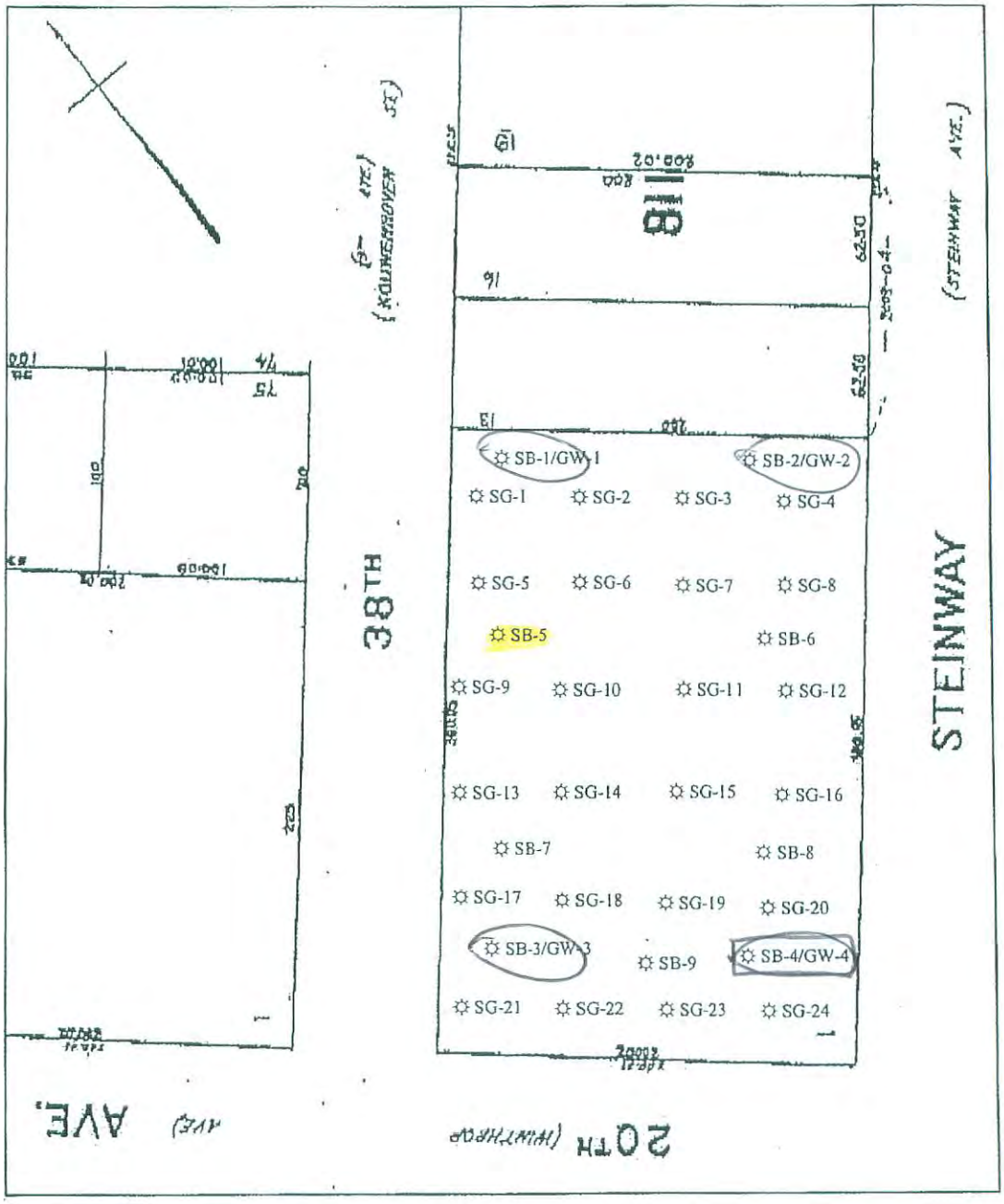


Map center is UTM 18 592677E 4514581N (WGS84/NAD83)
Central Park quadrangle
Projection is UTM Zone 18 NAD83 Datum

Figure 1

Ethan C. Eldon Associates, Inc.

Sample Location Map



☼ SB-# Indicates soil boring location for soil sample
☼ GW-# Indicates groundwater sample location
☼ SG-# Indicates soil gas survey location

Figure 2

Ethan C. Eldon Associates, Inc.

Table 1
Soil Gas Sample Results Summary – Total Volatile Organic Compounds (VOC)
19-73 38th Street, Astoria, NY
October 7 and 10, 2005

Sample Location	Sample Depth	Sample Date and Time	Field Screening Concentration from PID reading (ppm)	Concentration from Confirmatory Lab Analysis (ppm)
SG-1	5'	10/7/05, 10:50	0.4	NA
SG-2	5'	10/7/05, 10:40	0.8	0.4
SG-3	5'	10/7/05, 8:40	0.2	NA
SG-4	5'	10/7/05, 8:30	1.4	0.1
SG-5	5'	10/7/05, 9:50	0.6	NA
SG-6	5'	10/7/05, 11:00	0.8	0.3
SG-7	5'	10/7/05, 9:10	0.4	NA
SG-8	5'	10/7/05, 8:50	0.0	NA
SG-9	5'	10/7/05, 9:40	0.4	NA
SG-10	5'	10/7/05, 9:30	0.4	NA
SG-11	5'	10/7/05, 9:20	0.5	NA
SG-12	5'	10/7/05, 9:00	0.8	0.4
SG-13	5'	10/10/05, 7:40	0.0	NA
SG-14	5'	10/10/05, 7:30	1.0	0.4
SG-15	5'	10/7/05, 11:10	0.8	NA
SG-16	5'	10/7/05, 11:20	0.4	NA
SG-17	5'	10/7/05, 11:50	0.8	NA
SG-18	5'	10/10/05, 7:50	0.8	NA
SG-19	5'	10/10/05, 8:20	0.4	NA
SG-20	5'	10/7/05, 11:30	12.8	12.1
SG-21	5'	10/7/05, 12:00	0.8	NA
SG-22	5'	10/10/05, 8:00	0.6	NA
SG-23	5'	10/10/05, 8:10	0.1	NA
SG-24	5'	10/7/05, 11:40	0.4	NA

ppm = parts per million
NA = Not Applicable

Table 2

Soil Gas Sample Results Summary - Individual Volatile Organic Compounds (VOC)

19-73 38th Street, Astoria, NY

October 7 and 10, 2005

Sample Location:	SG-2		SG-4		SG-6		SG-12		SG-14		SG-20**	
Sample Depth:	10'		10'		10'							
VOC concentration	(ppbv)	(ug/m^3)	(ppbv)	(ug/m^3)	(ppbv)	(ug/m^3)	(ppbv)	(ug/m^3)	(ppbv)	(ug/m^3)	(ppbv)	(ug/m^3)
Propylene	170	290	16	28	140	240	220	380	460*	800*	280*	490*
1,3- Butadiene	21	46	ND	ND	12	27	29	64	21	47	31	68
Freon 11(Trichlorofluoromethane)	ND	ND	ND	ND	ND	ND	ND	ND	6.6	37	ND	ND
Isopropyl alcohol	ND	ND	20	48	ND	ND	24	59	ND	ND	ND	ND
Acetone	82	190	39	92	55	130	46	110	200	480	130	310
Carbon disulfide	20	61	16	49	19	61	16	51	21	66	67	210
n-Hexane	7.4	26	ND	ND	6.2	22	31	110	15	52	3100*	11000*
2-Butanone	51	150	ND	ND	41	120	ND	ND	54	160	77	230
Ethyl acetate	14	50	ND	ND	9.6	34	5.8	21	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	7.6	26	1600*	5300*
n-Heptane	5.9	24	ND	ND	ND	ND	13	52	6.5	26	6400*	26000*
Benzene	5.9	19	ND	ND	ND	ND	ND	ND	8.1	26	27	68
Trichloroethene	ND	ND	ND	ND	ND	ND	53	280	ND	ND	ND	ND
Toluene	13	48	7.4	28	9.4	35	9.8	37	14	52	79	300
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	140
Xylenes (mixed)	ND	ND	ND	ND	ND	ND	ND	ND	8.5	37	176	750
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	350
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	180
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	190
Total VOC (ppbv)	390.2		98.4		292.2		447.6		362.3		12147	
Total VOC (ppm)	0.4		0.1		0.3		0.4		0.4		12.1	

Notes:

ppbv= parts per billion by volume

ug/m^3= micrograms per cubic meter

ppm= parts per million

ND= Not Detected

Other VOC in the TO-15 scan with non-detectable concentrations for all samples are not listed.

*Estimated concentration. Exceeded calibration limit.

**Surrogate recovery was high due to interference with co-eluting compounds.

Table 3
Soil Sample Results Summa
19-73 38th Street, Astoria, N
October 7 & 10, 2005

Sample Location:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5
Sample Depth:	0-2'	8-10'	0-2'	2-4'	0-2'	2-4'	0-2'	2-4'	0-2'	8-10'
VOC concentration (ppm)										
Acrolein	ND	ND	ND	ND	ND	ND	ND	0.262	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	**2.17**	ND	ND
Carbon Disulfide	0.236	0.161	0.154	ND	0.227	ND	ND	0.289	0.133	0.113
Naphthalene	0.0711	0.0185	ND	ND	ND	ND	ND	0.654	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	0.158	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	0.0279	ND	ND
4-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	0.052	ND	ND
Total VOC	0.3071	0.1795	0.154	0	0.227	0	0	3.6129	0.133	0.113
SVOC concentration (ppm)										
Naphthalene	5.00	ND	ND	ND	ND	ND	ND	ND	0.82	ND
2-Methyl Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	2.50	ND
2-Chloronaphthalene	22.00	1.40	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	14.00	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	14.00	ND	ND
Phenanthrene	0.65	1.60	ND	ND	1.10	0.83	**60.00**	**100.00**	2.80	ND
Anthracene	ND	ND	ND	ND	ND	ND	17.00	34.00	0.65	ND
Carbazole	ND	ND	ND	ND	ND	ND	21.00	35.00	0.60	ND
Fluoranthene	1.10	2.00	0.54	ND	1.40	1.40	**120.00**	**190.00**	2.60	ND
Pyrene	1.00	1.60	0.68	ND	2.20	2.10	**96.00**	**160.00**	4.80	0.68
Benzo(a)anthracene	ND	**0.79**	ND	ND	**0.74**	**0.74**	**62.00**	**110.00**	**1.60**	ND
Chrysene	**0.58**	**0.81**	ND	ND	**0.80**	**0.74**	**66.00**	**120.00**	**1.90**	ND
bis(2-Ethylhexyl)phthalate	1.10	0.65	ND	ND	0.68	ND	ND	ND	ND	0.96
Indeno(1,2,3-cd)Pyrene	ND	ND	ND	ND	ND	ND	**27.00**	**53.00**	ND	ND
Benzo(b)fluoranthene	0.79	0.93	0.67	ND	0.90	0.93	**47.00**	**76.00**	**1.40**	ND
Benzo(k)fluoranthene	ND	0.53	ND	ND	0.60	0.56	**43.00**	**66.00**	1.10	ND
Benzo(a)pyrene	ND	**0.59**	ND	ND	**0.63**	**0.60**	**51.00**	**92.00**	**1.30**	ND
Dibenzo(a,h)Anthracene	ND	ND	ND	ND	ND	ND	ND	17.00	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	0.60	29.00	**52.00**	0.58	ND
Total SVOC	32.22	10.90	1.89	0.00	9.05	8.50	**639.00**	**1,133.00**	22.65	1.64
Pesticides concentration (ppm)										
4,4-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Pesticides	0	0	0	0	0	0	0	0	0	0
PCBs concentration (ppm)										
Total PCBs	ND	ND	ND	ND	ND	ND	0.47	0.84	ND	ND

Table 3
Soil Sample Results Summa
19-73 38th Street, Astoria, N
October 7 & 10, 2005

Sample Location:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5
Sample Depth:	0-2'	8-10'	0-2'	2-4'	0-2'	2-4'	0-2'	2-4'	0-2'	8-10'
TAL Metals concentration (ppm)										
Aluminum	8,360	8,660	8,480	4,900	5,150	5,690	11,200	12,400	6,650	9,410
Arsenic	5.71	3.24	4.81	2.83	6.27	4.22	3.83	4.66	10.8	3.99
Barium	127	95	64.5	52.7	84	59.6	76.2	91.6	240	73.5
Beryllium	0.376	0.42	ND	ND	ND	ND	0.489	0.622	0.377	0.373
Cadmium	0.982	0.445	0.915	0.497	0.49	ND	**1.24**	**1.19**	**2.02**	**1.26**
Calcium	13,500	14,500	27,800	23,000	11,000	8,380	32,000	49,100	22,300	7,530
Chromium	18	20.6	16.2	15	21.0	11.8	18.9	23.8	14.5	30.1
Cobalt	8.15	6.79	8.22	ND	7.01	ND	ND	ND	6.08	7.33
Copper	**70.9**	45.9	**83.1**	31.3	**77.6**	48.4	**52.6**	**60.7**	**103**	43.6
Iron	17,100	15,500	26,700	11,200	20,200	17,500	9,630	10,300	18,100	20,400
Lead	198	195	69	77	160	110	79.2	97.1	**571**	61.1
Magnesium	**6,590**	**8,090**	**6,030**	**5,190**	4,250	3,490	**5,780**	**6,220**	**7,240**	**6,380**
Manganese	282	352	346	202	247	185	262	262	364	285
Mercury	0.0826	0.0976	0.0517	0.0472	**0.357**	**0.227**	0.17	0.175	0.155	0.0358
Nickel	21.1	14.4	13.1	10.6	23.5	14.1	14.5	**28.8**	15.2	19.4
Potassium	1860	1000	589	953	765	684	591	749	780	1620
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	383	336	724	ND	ND	ND	1350	1430	507	543
Thallium	2.11	ND	2.2	ND	ND	ND	ND	ND	ND	2.27
Vanadium	40.1	30.2	43.2	20.5	26	19.1	27	41.5	30.3	31.6
Zinc	**261**	162	**143**	**104**	**144**	**121**	**604**	**275**	**591**	**984**

Notes:
ppm= parts per million= milligrams per kilogram (mg/kg)
ND= Not Detected
Other VOC in the 8260 scan with non-detectable concentrations for all samples are not listed.
Other SVOC in the 8270 scan with non-detectable concentrations for all samples are not listed.
Other Pesticides in the 8080 scan with non-detectable concentrations for all samples are not listed.
PCBs concentration is sum of all Arochlors.
Regulatory Limit= Concentrations were compared to NYSDEC TAGM 4046 Recommended Soil Cleanup Objectives.
SB= site background. Heavy metal concentrations are compared to background levels for urban areas in the Eastern U.S.
Concentrations exceeding the regulatory standard are identified with boldface type.

Table 4
Groundwater Sample Results Summary
19-73 38th Street, Astoria, NY
October 7 & 10, 2005

Sample Location:	GW-1	GW-2	GW-3	GW-4	Regulatory Limit
MTBE	ND	25.9	ND	ND	Not Applicable
Total VOC concentration (ppb)	ND	25.9	ND	ND	Not Applicable
Total SVOC concentration (ppb)	ND	ND	ND	ND	Not Applicable
Total Pesticides concentration (ppb)	ND	ND	ND	ND	Not Applicable
Total PCBs concentration ppb)	ND	ND	ND	ND	Not Applicable
TAL Metals, Dissolved concentration (ppm)					
Aluminum	ND	ND	2.17	ND	Not Applicable
Antimony	ND	ND	ND	ND	3
Arsenic	ND	ND	0.0159	ND	25
Barium	0.197	0.01062	0.329	0.234	Not Applicable
Beryllium	ND	ND	ND	ND	Not Applicable
Cadmium	ND	ND	ND	ND	5
Calcium	170	180	203	226	Not Applicable
Chromium	ND	ND	ND	ND	50
Cobalt	ND	ND	ND	ND	Not Applicable
Copper	ND	ND	0.017	ND	200
Iron	17.6	43.9	47.8	2	300*
Lead	ND	ND	0.0427	ND	25
Magnesium	33	49	28	49	Not Applicable
Manganese	0.576	1.08	2.58	0.729	300*
Mercury	ND	ND	ND	ND	0.7
Nickel	ND	ND	ND	ND	100
Potassium	18	13	24	22	Not Applicable
Selenium	ND	ND	ND	ND	10
Silver	ND	ND	ND	ND	50
Sodium	320	295	172	62	20,000
Thallium	ND	ND	ND	ND	Not Applicable
Vanadium	ND	ND	ND	ND	Not Applicable
Zinc	0.0823	0.0776	0.0795	ND	Not Applicable

Notes:
ppb= parts per billion= micrograms per liter (ug/l)
ND= Not Detected
VOC in the 8260 scan with non-detectable concentrations for all samples are not listed.
SVOC in the 8270 scan with non-detectable concentrations for all samples are not listed.
Pesticides and PCBs in the 608 scan with non-detectable concentrations for all samples are not listed.
Regulatory Limit= Concentrations were compared to NYSDEC TOGS 1.1.1 class GA groundwater quality standards.
* The regulatory limit for the sum of Iron and Manganese is 500 ppb.
Concentrations exceeding the regulatory standard are identified with boldface type.

Appendix A Soil Boring Logs

LOG OF BORING

B - 1

Client: Domenick Aquista	Date/Time Started: 10/7/05	Drilling Co.: Zebra
Project Name: 19-73 38th St	Date/Time Completed: 10/7/05	Rig Type: Geoprobe
Project Location: 19-73 38th St	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12 ft	Sample Device: Macrocore/Splitspoon
Project Number:	Depth to Water: 10 ft	Logged by: A. Petkus

Boring Location: SB-1 NW Corner of site

Sample No.	Sample Interval	Description	Recovery (inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	asphalt, black/brown coarse sand some gravel		12.8			0.0
							0.5
							1.0
							1.5
	2-4'	Black-brown sand some gravel & cobbles		32.0			2.0
							2.5
							3.0
							3.5
	4-6'	Brown moist clay & sand		6.4			4.0
							4.5
							5.0
							5.5
	6-8'	Brown moist clay & sand		3.4			6.0
							6.5
							7.0
							7.5
	8-10	Black-brown moist sand with some gravel		40.0			8.0
							8.5
							9.0
						GW interface	9.5
	10-12'	Gray wet silt & clay					10.0
							10.5
							11.0
							11.5
							12.0
						End of Boring	12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B - 2

Client: Domenick Aquista	Date/Time Started: 10/7/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 10 ft	Sample Device: Macrocore/split spoon
Project Number: .	Depth to Water: 8 ft	Logged by: A. Petkus

Boring Location: SB-2 Northeast corner of site

Sample No.	Sample Interval	Description	Recovery (Inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Black coarse sand with some cobbles		7.6			0.0
							0.5
							1.0
							1.5
	2-4'	Black-brown sand with some cobbles		11.2			2.0
							2.5
							3.0
							3.5
	4-6'	Brown coarse sand Concrete w/ concrete cobbles		8.0			4.0
							4.5
							5.0
							5.5
	6-8'	black-brown coarse sand with cobbles (moist)		4.4			6.0
							6.5
							7.0
						Depth to GW	7.5
	8-10'	Gray wet silt + clay					8.0
							8.5
							9.0
							9.5
						End of Boring	10.0
							10.5
							11.0
							11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B - 3

Client: Domenick Aquista	Date/Time Started: 10/10/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 8 ft	Sample Device: Macrocore /split-spoon
Project Number:	Depth to Water: 6 ft	Logged by: A. Petkus

Boring Location: SB-3 Southwest corner of Site

Sample No.	Sample Interval	Description	Recovery (inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Brown Coarse sand with some gravel		1.0			0.0
							0.5
							1.0
							1.5
	2-4'	Brown moist sand w/ some gravel		1.4			2.0
							2.5
							3.0
							3.5
	4-6'	Brown moist sand with some gravel		0.2			4.0
							4.5
							5.0
						Depth to GW	5.5
	6-8'	Gray wet silt & clay					6.0
							6.5
							7.0
							7.5
						end of Boring	8.0
							8.5
							9.0
							9.5
							10.0
							10.5
							11.0
							11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B - 4

Client: Dominick Aquista	Date/Time Started: 10/10/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12 ft	Sample Device: Macrocore/split spoon
Project Number: .	Depth to Water: 10 ft	Logged by: A. Petkus

Boring Location: SB4 Southeast corner of site

Sample No.	Sample Interval	Description	Recovery (inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Reddish-Brown sand with some brick cobbles		0.4			0.0
							0.5
							1.0
							1.5
	2-4'	Red-brown sand with brick cobbles		1.6			2.0
							2.5
							3.0
							3.5
	4-6'	Red-brown sand w/ brick cobbles		0			4.0
							4.5
							5.0
							5.5
	6-8'	Red-brown sand with brick and concrete cobbles		24.0			6.0
							6.5
							7.0
							7.5
	8-10'	Red-brown moist sand with brick cobbles		0.6			8.0
							8.5
							9.0
						Depth to GW	9.5
	10-12'	Gray wet clay & silt					10.0
							10.5
							11.0
						End of Boring	11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B-5

Client: Dominick Aquista	Date/Time Started: 10/7/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12'	Sample Device: Macrocore/split-spoon
Project Number: .	Depth to Water: 10'	Logged by: A. Petkus
Boring Location: SB-5		

Sample No.	Sample Interval	Description	Recovery (inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Black Brown coarse sand w/ some gravel		2.6			0.0
							0.5
							1.0
							1.5
	2-4'	Brown coarse sand with some gravel and cobbles		2.2			2.0
							2.5
							3.0
							3.5
	4-6'	Red-brown sand with some gravel & cobbles		1.2			4.0
							4.5
							5.0
							5.5
	6-8'	Brown sand with with cobbles & concrete		0.8			6.0
							6.5
							7.0
							7.5
	8-10'	Brown sand (moist) with cobbles		3.4			8.0
							8.5
							9.0
						Depth to GW	9.5
	10-12	Gray wet silt and clay					10.0
							10.5
							11.0
						End of Boring	11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B-6

Client: Domenick Aquista	Date/Time Started: 10/7/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 11 ft	Sample Device: Macrocore/split spoon
Project Number:	Depth to Water: 11 ft	Logged by: A. Pettus
Boring Location: SB-6		

Sample No.	Sample Interval	Description	Recovery (Inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Black-brown coarse sand some cobbles		2.4			0.0
							0.5
							1.0
							1.5
	2-4'	Brown coarse sand some cobbles		1.3			2.0
							2.5
							3.0
							3.5
	4-6'	Brown coarse sand some gravel		1.6			4.0
							4.5
							5.0
							5.5
	6-8'	Red-brown sand (moist) some gravel + cobbles		2.1			6.0
							6.5
							7.0
							7.5
	8-11'	Brown moist sand some gravel + cobbles		0.4			8.0
							8.5
							9.0
							9.5
							10.0
						Depth to GW	10.5
						End of Boring	11.0
							11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B - 7

Client: Domenick Aquista	Date/Time Started: 10/10/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12 ft.	Sample Device: Macrocore/split-spoon
Project Number: .	Depth to Water: 10 ft.	Logged by: A. Petkus

Boring Location: SB-7

Sample No.	Sample Interval	Description	Recovery (Inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and		0			0.0
		Black brown coarse sand					0.5
		Some gravel & concrete					1.0
		Cobbles					1.5
	2-4'	Black - Brown sand		0			2.0
		Some gravel & cobbles					2.5
							3.0
							3.5
	4-6'	Black-brown sand		1.8			4.0
		Some gravel & concrete					4.5
							5.0
							5.5
	6-8'	Black-brown sand		4.0			6.0
		Some gravel & concrete					6.5
		Cobbles					7.0
							7.5
	8-10'	Black-brown sand (moist)		4.8			8.0
		Some gravel & concrete					8.5
		Cobbles					9.0
						Depth to GW	9.5
	10-12'	Gray wet Silt & Clay					10.0
							10.5
							11.0
						End of Boring	11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B - 8

Client: Domenick Aquila	Date/Time Started: 10/10/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12 ft.	Sample Device: Macrocore/split-spoon
Project Number:	Depth to Water: 10 ft.	Logged by: A. Petkus

Boring Location: SB-8

Sample No.	Sample Interval	Description	Recovery (inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Asphalt and Black-gray sand w/ concrete & gravel		0.4			0.0
							0.5
							1.0
							1.5
	2-4'	Black-brown sand some gravel & concrete		0.3			2.0
							2.5
							3.0
							3.5
	4-6'	Black-brown sand some gravel & concrete		1.0			4.0
							4.5
							5.0
							5.5
	6-8'	Black-brown sand some gravel & concrete		1.3			6.0
							6.5
							7.0
							7.5
	8-10	Black-brown moist sand some gravel		1.8			8.0
							8.5
							9.0
						Depth to GW	9.5
	10-12	Gray wet Silt & Clay					10.0
							10.5
							11.0
						End of Boring	11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

LOG OF BORING

B-9

Client: Domenick Aquista	Date/Time Started: 10/10/05	Drilling Co.: Zebra
Project Name: 19-73 38th St.	Date/Time Completed:	Rig Type: Geoprobe
Project Location: 19-73 38th St.	Elevation & Datum:	Drill Method: direct push
Project Location:	Completion Depth: 12 ft.	Sample Device: Macrocore /Splitspoon
Project Number: .	Depth to Water: 10 ft.	Logged by: A. Petkus
Boring Location: SB-9		

Sample No.	Sample Interval	Description	Recovery (Inches)	PID Read. (ppm)	Chemical Analysis	Strata Change/ USC Classification	Depth (ft. b.g.)
	0-2'	Concrete and Brown coarse sand some gravel & cobbles		1.0			0.0
							0.5
							1.0
							1.5
	2-4'	Brown coarse sand some gravel & brick cobbles		2.6			2.0
							2.5
							3.0
							3.5
	4-6'	Brown sand some gravel		4.0			4.0
							4.5
							5.0
							5.5
	6-8'	Brown sand some brick cobbles		0			6.0
							6.5
							7.0
							7.5
	8-10'	Brown moist sand some gravel		0			8.0
							8.5
							9.0
						Depth to GW	9.5
	10-12'	Gray wet silt & clay					10.0
							10.5
							11.0
						End of Boring	11.5
							12.0
							12.5
							13.0
							13.5
							14.0
							14.5
							15.0
							15.5
							16.0
							16.5
							17.0
							17.5
							18.0

Appendix B EMSL Laboratory Analysis Report and Chain of Custody Forms

EMSL Analytical, Inc., IH Laboratory, 3 Cooper Street, Westmont, NJ 08108 phone (800)220-3675

October 21, 2005

Aimee Petkus
Ethan C. Eldon Associates
1350 Broadway
Suite 612
New York, NY 10018

Fax: (212) 967-2747

RE: EMSL 280501164
Project: STEINWAY STREET
TO-15 ANALYSIS

Dear Aimee:

Attached please find the lab report and results for the above referenced analysis. As I explained in an email, we found 2,2,4-Trimethylpentane (CAS # 540-84-1) in most of your samples. The concentrations in your samples are outlined below, the 'E' indicates the value is estimated because the value exceeded the highest point in the calibration curve.

1164-1	SG-2	960 E ppbv	1164-4	SG-12	480 E ppbv
1164-2	SG-4	270 ppbv	1164-5	SG-14	Not detected.
1164-3	SG-6	620 E ppbv	1164-6	SG-20	870 E ppbv

In addition, surrogate recovery was high in sample 280501164-6 (SG-20) due to interference with co-eluting compounds. Method TO-15 does not require a surrogate standard, all other QC parameters passed for this sample. If you have any questions or need further information please do not hesitate to contact me at extension 1275.

Sincerely,

SEVanEtten

Scott VanEtten
Senior Chemist

AIHA Laboratory No. 100194
NJ-NELAP Laboratory No. 04653

IH Laboratory Manager

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-2
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-1
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9522.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	12:51am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	170		290	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichloroletrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinyl chloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	21		46	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	5.0	U	28	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	15	U	37	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	82		190	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	20		61	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	7.4		26	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinyl acetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	51		150	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethyl acetate	141-78-6	88	14		50	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	5.0	U	17	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	5.9		24	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	5.9		19	0.50
Trichloroethene	79-01-6	131	5.0	U	27	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	13		48	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-2
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-1
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9522.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	12:51am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
1,1,2-Trichloroethane	79-00-5	133	5.0	U	27	0.50
2-Hexanone(MBK)	591-78-6	100	5.0	U	20	0.50
Tetrachloroethene	127-18-4	166	5.0	U	34	0.50
Dibromochloromethane	124-48-1	208	5.0	U	43	0.50
1,2-Dibromoethane	106-93-4	188	5.0	U	38	0.50
Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	5.0	U	22	0.50
Xylene (para & meta)	1330-20-7	106	5.0	U	22	0.50
Xylene (Ortho)	95-47-6	106	5.0	U	22	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	5.0	U	25	0.50
1,3,5-Trimethylbenzene	108-67-8	120	5.0	U	25	0.50
1,2,4-Trimethylbenzene	95-63-6	120	5.0	U	25	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzyl chloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	10.34	10.00	103	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
U= UNDETECTED
D = DILUTED. REPORTED FROM DILUTION RUN.
B= DETECTED IN BLANK
E = ESTIMATED CONCENTRATION. EXCEEDED CALIBRATION LIMIT.
J= DETECTED BELOW PRACTICAL QUANTITATION LEVEL, BUT ABOVE MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-4
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-2
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9523.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	1:40am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	16		28	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinyl chloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	5.0	U	11	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	5.0	U	28	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	20		48	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	39		92	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	16		49	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	5.0	U	18	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinyl acetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	5.0	U	15	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethyl acetate	141-78-6	88	5.0	U	18	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	5.0	U	17	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	5.0	U	20	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	5.0	U	16	0.50
Trichloroethene	79-01-6	131	5.0	U	27	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	7.4		28	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-4
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-2
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9523.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	1:40am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
1,1,2-Trichloroethane	79-00-5	133	5.0	U	27	0.50
2-Hexanone(MBK)	591-78-6	100	5.0	U	20	0.50
Tetrachloroethene	127-18-4	166	5.0	U	34	0.50
Dibromochloromethane	124-48-1	208	5.0	U	43	0.50
1,2-Dibromoethane	106-93-4	188	5.0	U	38	0.50
Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	5.0	U	22	0.50
Xylene (para & meta)	1330-20-7	106	5.0	U	22	0.50
Xylene (Ortho)	95-47-6	106	5.0	U	22	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	5.0	U	25	0.50
1,3,5-Trimethylbenzene	108-67-8	120	5.0	U	25	0.50
1,2,4-Trimethylbenzene	95-63-6	120	5.0	U	25	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzyl chloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	9.96	10.00	100	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
U= UNDETECTED
D = DILUTED. REPORTED FROM DILUTION RUN.
B= DETECTED IN BLANK
E = ESTIMATED CONCENTRATION. EXCEEDED CALIBRATION LIMIT.
J= DETECTED BELOW PRACTICAL QUANTITATION LEVEL, BUT ABOVE MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-6
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-3
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9524.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	2:30am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	140		240	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinyl chloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	12		27	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	5.0	U	28	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	15	U	37	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	55		130	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	19		61	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	6.2		22	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinyl acetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	41		120	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethyl acetate	141-78-6	88	9.6		34	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	5.0	U	17	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	5.0	U	20	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	5.0	U	16	0.50
Trichloroethene	79-01-6	131	5.0	U	27	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	9.4		35	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-6
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-3
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9524.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	2:30am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
1,1,2-Trichloroethane	79-00-5	133	5.0	U	27	0.50
2-Hexanone(MBK)	591-78-6	100	5.0	U	20	0.50
Tetrachloroethene	127-18-4	166	5.0	U	34	0.50
Dibromochloromethane	124-48-1	208	5.0	U	43	0.50
1,2-Dibromoethane	106-93-4	188	5.0	U	38	0.50
Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	5.0	U	22	0.50
Xylene (para & meta)	1330-20-7	106	5.0	U	22	0.50
Xylene (Ortho)	95-47-6	106	5.0	U	22	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	5.0	U	25	0.50
1,3,5-Trimethylbenzene	108-67-8	120	5.0	U	25	0.50
1,2,4-Trimethylbenzene	95-63-6	120	5.0	U	25	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzylchloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	10.02	10.00	100	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
U= UNDETECTED
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B= DETECTED IN BLANK
E = ESTIMATED CONCENTRATION. EXCEEDED CALIBRATION LIMIT.
J= DETECTED BELOW PRACTICAL QUANTITATION LEVEL, BUT ABOVE MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-12
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-4
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9525.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	3:19am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	220		380	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinyl chloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	29		64	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	5.0	U	28	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	24		59	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	46		110	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	16		51	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	31		110	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinyl acetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	5.0	U	15	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethyl acetate	141-78-6	88	5.8		21	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	5.0	U	17	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	13		52	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	5.0	U	16	0.50
Trichloroethene	79-01-6	131	53		280	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	9.8		37	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-12
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-4
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9525.d
Calibration Date:	8/28/05	Analysis Date:	10/18/05
Matrix:	Air	Time Acquired:	3:19am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
1,1 ,2-Trichloroethane	79-00-5	133	5.0	U	27	0.50
2-Hexanone(MBK)	591-78-6	100	5.0	U	20	0.50
Tetrachloroethene	127-18-4	166	5.0	U	34	0.50
Dibromochloromethane	124-48-1	208	5.0	U	43	0.50
1,2-Dibromoethane	106-93-4	188	5.0	U	38	0.50
Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	5.0	U	22	0.50
Xylene (para & meta)	1330-20-7	106	5.0	U	22	0.50
Xylene (Ortho)	95-47-6	106	5.0	U	22	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1 ,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	5.0	U	25	0.50
1,3,5-Trimethylbenzene	108-67-8	120	5.0	U	25	0.50
1,2,4-Trimethylbenzene	95-63-6	120	5.0	U	25	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzyl chloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	9.98	10.00	100	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
U= UNDETECTED
D = DILUTED. REPORTED FROM DILUTION RUN.
B= DETECTED IN BLANK
E = ESTIMATED CONCENTRATION. EXCEEDED CALIBRATION LIMIT.
J= DETECTED BELOW PRACTICAL QUANTITATION LEVEL, BUT ABOVE MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-14
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-5
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/10/05
Acquisition Method:	082805TO.M	Lab File ID:	j9547.d
Calibration Date:	8/28/05	Analysis Date:	10/20/05
Matrix:	Air	Time Acquired:	2:44am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	460	E	800	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinyl chloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	21		47	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	6.6		37	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	15	U	37	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	200		480	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	21		66	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	15		52	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinyl acetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	54		160	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethyl acetate	141-78-6	88	5.0	U	18	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	7.6		26	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	6.5		26	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	8.1		26	0.50
Trichloroethene	79-01-6	131	5.0	U	27	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	14		52	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-14
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-5
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/10/05
Acquisition Method:	082805TO.M	Lab File ID:	j9547.d
Calibration Date:	8/28/05	Analysis Date:	10/20/05
Matrix:	Air	Time Acquired:	2:44am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
1,1,2-Trichloroethane	79-00-5	133	5.0	U	27	0.50
2-Hexanone(MBK)	591-78-6	100	5.0	U	20	0.50
Tetrachloroethene	127-18-4	166	5.0	U	34	0.50
Dibromochloromethane	124-48-1	208	5.0	U	43	0.50
1,2-Dibromoethane	106-93-4	188	5.0	U	38	0.50
Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	5.0	U	22	0.50
Xylene (para & meta)	1330-20-7	106	8.5		37	0.50
Xylene (Ortho)	95-47-6	106	5.0	U	22	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	5.0	U	25	0.50
1,3,5-Trimethylbenzene	108-67-8	120	5.0	U	25	0.50
1,2,4-Trimethylbenzene	95-63-6	120	5.0	U	25	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzyl chloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	9.68	10.00	97	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
U= UNDETECTED
D = DILUTED. REPORTED FROM DILUTION RUN.
B= DETECTED IN BLANK
E = ESTIMATED CONCENTRATION. EXCEEDED CALIBRATION LIMIT.
J= DETECTED BELOW PRACTICAL QUANTITATION LEVEL, BUT ABOVE MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-20
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-6
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9548.d
Calibration Date:	8/28/05	Analysis Date:	10/20/05
Matrix:	Air	Time Acquired:	3:36am
Last MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

Compound	CAS Number	Molecular Weight	Results ppbv	Q	Results ug/m3	Reporting Limit(PQL) ppbv at 250mL
Propylene	115-07-1	42	280	E	490	1.0
Freon 12(Dichlorodifluoromethane)	75-71-8	121	5.0	U	25	0.50
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	171	5.0	U	35	0.50
Chloromethane	74-87-3	50	5.0	U	10	0.50
Vinylchloride	75-01-4	63	5.0	U	13	0.50
1,3-Butadiene	106-99-0	54	31		68	0.50
Bromomethane	74-83-9	95	5.0	U	19	0.50
Chloroethane	75-00-3	65	5.0	U	13	0.50
Ethanol	64-17-5	46	15	U	28	1.5
Freon 11(Trichlorofluoromethane)	75-69-4	137	5.0	U	28	0.50
Isopropyl alcohol(2-Propanol)	67-63-0	60	15	U	37	1.5
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187	5.0	U	38	0.50
Acetone	67-64-1	58	130		310	3.0
1,1-Dichloroethene	75-35-4	97	5.0	U	20	0.50
Carbon disulfide	75-15-0	76	67		210	0.50
Methylene chloride	75-09-2	85	15	U	52	1.5
Methyl-tert-butyl ether(MTBE)	1634-04-4	88	5.0	U	18	0.50
trans-1,2-Dichloroethene	156-60-5	97	5.0	U	20	0.50
n-Hexane	110-54-3	86	3100	E	11000	0.50
1,1-Dichloroethane	75-34-3	99	5.0	U	20	0.50
Vinylacetate	108-05-4	86	5.0	U	18	0.50
2-Butanone(MEK)	78-93-3	72	77		230	0.50
cis-1,2-Dichloroethene	156-59-2	97	5.0	U	20	0.50
Ethylacetate	141-78-6	88	5.0	U	18	0.50
Chloroform	67-66-3	119	5.0	U	24	0.50
Tetrahydrofuran	109-99-9	72	5.0	U	15	0.50
1,1,1-Trichloroethane	71-55-6	133	5.0	U	27	0.50
Cyclohexane	110-82-7	84	1600	E	5300	0.50
Carbon tetrachloride	56-23-5	154	5.0	U	31	0.50
n-Heptane	142-82-5	100	6400	E	26000	0.50
1,2-Dichloroethane	107-06-2	99	5.0	U	20	0.50
Benzene	71-43-2	78	27		86	0.50
Trichloroethene	79-01-6	131	5.0	U	27	0.50
1,2-Dichloropropane	78-87-5	113	5.0	U	23	0.50
Bromodichloromethane	75-27-4	164	5.0	U	33	0.50
1,4-Dioxane	123-91-1	88	5.0	U	18	0.50
4-Methyl-2-pentanone(MIBK)	108-10-1	100	5.0	U	20	0.50
cis-1,3-Dichloropropene	10061-01-5	111	5.0	U	23	0.50
Toluene	108-88-3	92	79		300	0.50
trans-1,3-Dichloropropene	10061-02-6	111	5.0	U	23	0.50

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name:	EMSL ANALYTICAL	Air Results for Project:	Steinway Street
Lab City:	WESTMONT, NJ	Field ID Number:	SG-20
Instrument ID:	5972-VOA#4	Laboratory ID Number:	280501164-6
GC Column:	RTX-502.2 60m 0.25mm 1.4u	Sampling Date:	10/7/05
Acquisition Method:	082805TO.M	Lab File ID:	j9548.d
Calibration Date:	8/28/05	Analysis Date:	10/20/05
Matrix:	Air	Time Acquired:	3:36am
Latest MDL Date:	8/9/04	Sample Volume(mL):	25
Analyst:	SWV/mh	Dilution Factor:	10
		Can ID:	Tedlar

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Chlorobenzene	108-90-7	113	5.0	U	23	0.50
Ethylbenzene	100-41-4	106	32		140	0.50
Xylene (para & meta)	1330-20-7	106	120		510	0.50
Xylene (Ortho)	95-47-6	106	56		240	0.50
Styrene	100-42-5	104	5.0	U	21	0.50
Bromoform	75-25-2	253	5.0	U	52	0.50
1,1 ,2,2-Tetrachloroethane	79-34-5	168	5.0	U	34	0.50
4-Ethyltoluene	622-96-8	120	71		350	0.50
1,3,5-Trimethylbenzene	108-67-8	120	37		180	0.50
1,2,4-Trimethylbenzene	95-63-6	120	40		190	0.50
1,3-Dichlorobenzene	541-73-1	147	5.0	U	30	0.50
1,4-Dichlorobenzene	106-46-7	147	5.0	U	30	0.50
Benzyl chloride	100-44-7	179	5.0	U	37	0.50
1,2-Dichlorobenzene	95-50-1	147	5.0	U	30	0.50
1,2,4-Trichlorobenzene	120-82-1	182	5.0	U	37	0.50
Hexachloro-1,3-butadiene	87-68-3	261	5.0	U	53	0.50

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	13.61	10.00	136	70 - 130

= COMPOUND DETECTED AT REPORTED CONCENTRATION IN PPBV AND UG/M3.
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280504164

MARG 67

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # _____
Account Rep: _____
Indicate State where samples collected: _____

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Aimee Petkus	Name: Ethan Eldon PO#:	Date Results needed by:
Company: Ethan C. Eldon Associates, Inc.	Company Ethan C. Eldon Associates, Inc.	*Standard 6-10 days or 2 weeks ☒ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address 1350 Broadway Suite 612	Address 1350 Broadway Suite 612	The following turnaround times require lab approval:
City New York	City New York	☐ *4-5 days or 1week ☐ 72 Hrs ☐ 48 Hrs
State NY ZIP 10018	State NY ZIP 10018	☐ 24 Hrs Approved by
TEL: 212 967-5400 FAX: 212 967-2747	TEL: 212 967 5400 FAX: 212 967 2747	*same price and tat for weeks or days
Sampled by: (Signature) Ted Rossati	# of Samples in Shipment: 6	Date of Sample Shipment: 10/10/05

Failure to complete shaded areas will hinder processing of samples

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling Date	Sampling Time	List Test Needed: VOCs						
1.	SG-2	Steinway St.					✓								10/7		✓						
2.	SG-4	Steinway St.					✓								10/7		✓						
3.	SG-6	Steinway St.					✓								10/7		✓						
4.	SG-12	Steinway St.					✓								10/7		✓						
5.	SG-14	Steinway St.					✓								10/10		✓						
6.	SG-20	Steinway St.					✓								10/7		✓						
7.																							
8.																							
9.																							
10.																							

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL

RECEIVED EMSL WESTMONT 05 OCT 10 PM 2:53

EMSL MANHATTAN RECEIVED

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
		WALKIN	N Gonzalez		05 OCT 10 AM 11:51	
			N Smith			
			Steven Kosk	EMSL	10/10/05 1620	

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Full Deliverable ☐ 5. Disk

Appendix C AmeriSci Laboratory Analysis Report and Chain of Custody Forms

AMERI SCI BOSTON
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CHAIN OF CUSTODY RECORD

AMERISCI BOSTON
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781.337.9334 Phone ~ 781.337.7642 Fax

AMERISCI JOB NO:

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DUE DATE:
☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT: 4°C

DATA PACKAGE: 0510-137

P.O.#

COMPANY: Ethan C. Eldon Assoc.
ADDRESS: 1350 Broadway, St. 612, NY, NY 10018
PHONE: 212-967-5400 FAX 1: 212-967-2747 FAX 2:
CLIENT CONTACT: Aimee Petkus EMAIL: ecaaimee@aol.com
PROJECT NAME: Steinway St. PROJECT NUMBER: 09392 PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER
CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE pH AT LOGIN	VOC	SVOC						Notes:
1	SB1 0-2'	Soil	4oz	G	1	10/7	3:00		C			X							
1	SB1 0-2'	S	8oz	G	1	10/7	3:00		C				X						
2	SB1 8'-10'	S	4oz	G	1	10/7	3:00		C			X							
2	SB1 8'-10'	S	8oz	G	1	10/7	3:00		C				X						
3	SB2 0-2'	S	4oz	G	1	10/7	2:10		C			X							
3	SB2 0-2'	S	8oz	G	1	10/7	2:10		C				X						
4	SB2 2'-4'	S	4oz	G	1	10/7	2:10		C			X							
4	SB2 2'-4'	S	8oz	G	1	10/7	2:10		C				X						
5	SB3 0-2'	S	4oz	G	1	10/10	8:55		C			X							
5	SB3 0-2'	S	8oz	G	1	10/10	8:55		C				X						
6	SB3 2-4'	S	8oz	G	1	10/10	8:55		C			X							
6	SB3 2-4'	S	8oz	G	1	10/10	8:55		C				X						

SAMPLED BY: (PRINT) Aimee Petkus	DATE: 10/10/05	RECEIVED BY: (PRINT) Joseph Pope	DATE: 10/10/05
(SIGN) A. Petkus	TIME:	(SIGN) Joseph Pope	TIME: 14:30
RELINQUISHED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN) A. Petkus	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) Nicole Ingersoll	DATE: 10/11/05
(SIGN)	TIME:	(SIGN) Nicole Ingersoll	TIME: 9:30

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P.O.#

COMPANY: Ethan C. Eldon Associates, Inc.
ADDRESS: 1350 Broadway Suite 612
PHONE: 212-967-5400 FAX 1: 212-967-2747 FAX 2:
CLIENT CONTACT: Aimee Petkus EMAIL: eceaaimee@aol.com
PROJECT NAME: Steinway Street PROJECT NUMBER: 09392 PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER
CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE pH AT LOGIN	VOC	SVOC						Notes:
7	SB4 0-2'	S	8oz	G	1	10/10	10:00		C			X							
7	SB4 0-2'		8oz			10/10	10:00						X						
8	SB4 2-4'		8oz			10/10	10:00					X							
8	SB4 2-4'		8oz			10/10	10:00						X						
9	SB5 0-2'		4oz			10/7	10:30					X							
9	SB5 0-2'		8oz			10/7	10:30						X						
10	SB5 8-10'		4oz			10/7	10:45					X							
10	SB5 8-10'		8oz			10/7	10:45						X						
11	SB6 0-2'		4oz			10/7	10:45					X							
11	SB6 0-2'		8oz			10/7	10:45						X						
12	SB6 6-8'		4oz			10/7	10:45					X							
12	SB6 6-8'		8oz			10/7	10:45						X						

SAMPLED BY: (PRINT) Aimee Petkus	DATE: 10/10	RECEIVED BY: (PRINT) Joseph Pope	DATE: 10/10/05
(SIGN)	TIME:	(SIGN) Joseph Pope	TIME: 14:20
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) Nicole Ingersoll	DATE: 10/11/05
(SIGN)	TIME:	(SIGN)	TIME: 9:30

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TEMP UPON RECEIPT: 4°C

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P.O.#

COMPANY: Ethan C. Eldon Associates, Inc.
ADDRESS: 1350 Broadway Suite 612, New York, NY 10018
PHONE: 212-967-5400 FAX 1: 212-967-2747 FAX 2:
CLIENT CONTACT: Aimee Petkus EMAIL: eceaaimee@aol.com
PROJECT NAME: Steinway Street PROJECT NUMBER: 09392 PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER
CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	SAMPLING INFORMATION TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	VOC	SVOC						Notes:
13	SB7 0-2'	S	8oz	G	1	10/10	10:00					X							
	SB7 0-2'		8oz			10/10	10:00						X						
14	SB7 8-9'		8oz			10/10	10:00					X							
	SB7 8-9		8oz			10/10	10:00						X						
15	SB8 0-2'		8oz			10/10	10:20					X							
	SB8 0-2'		8oz			10/10	10:20						X						
16	SB8 8-10'		8oz			10/10	10:20					X							
	SB8 8-10'		8oz			10/10	10:20						X						
17	SB9 0-2'		8oz			10/10	8:25					X							
	SB9 0-2'		8oz			10/10	8:25						X						
18	SB9 4-6'		4oz			10/10	8:25					X							
	SB9 4-6'		8oz			10/10	8:25						X						

SAMPLED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT) Joseph Pope	DATE: 10/10/05
(SIGN) A Pet	TIME:	(SIGN) Joseph Pope	TIME: 14:20
RELINQUISHED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN) A Pet	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) Nicole Ingersoll	DATE: 10/11/05
(SIGN)	TIME:	(SIGN) Nicole Ingersoll	TIME: 9:30

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CLIENT CONTACT: Aimee Petkus EMAIL: eceaaimee@aol.com
PROJECT NAME: Steinway Street PROJECT NUMBER: 09392 PROJECT STATE:

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER
CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	SAMPLING INFORMATION TIME	SAMPLING INFORMATION TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	VOC	PCB	Pesticides	SVOC	TAL Metals			Notes:
19	GW1	A	1oz	G	1	10/7	3:10			HCL		X							
19	GW1 Duplicate	A	1oz	G	1	10/7	3:10			HCL		X							
20 ~~20~~	GW1	A	1L	G	1	10/7	3:10						X						
~~21~~	GW1	A	1L	G	1	10/7	3:10							X					
21 ~~22~~	GW1	A	1L	G	1	10/7	3:10								X				
22 ~~23~~	GW1	A	1L	P	1	10/7	3:10			HNO^3						X			
23 ~~24~~	GW2	A	1oz	G	1	10/7	2:15			HCL		X							
	GW2 Duplicate		1oz	G						HCL		X							
24 ~~25~~	GW2		1L										X						
~~26~~	GW2		1L											X					
25 ~~27~~	GW2		1L												X				
26 ~~28~~	GW2		1L							HNO^3						X			

SAMPLED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT) Joseph Pope	DATE: 10/10/05
(SIGN)	TIME:	(SIGN) Joseph Pope	TIME: 14:20
RELINQUISHED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) Nicole Ingersoll	DATE: 10/11/05
(SIGN)	TIME:	(SIGN)	TIME: 9:30

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TEMP UPON RECEIPT: 4°C

DATA PACKAGE: 0510-137

P.O.#

COMPANY: Ethan C. Eldon Associates, Inc.

ADDRESS: 1350 Broadway Suite 612 New York, NY 10018

PHONE: 212-967-5400 | FAX 1: 212-967-2747 | FAX 2:

CLIENT CONTACT: Aimee Petkus | EMAIL: eceaaimee@aol.com

PROJECT NAME: Steinway Street | PROJECT NUMBER: 09392 | PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	#	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE pH AT LOGIN	VOC	SVOC	PCB	Pesticides	TAL Metals			Notes:
27 ~~29~~	GW 3	A	1oz	G	1	10/10	8:55			HCL		X							
27	GW3 duplicate		1oz							HCL		X							
28 ~~30~~	GW3		1L										X						
29 ~~31~~	GW3		1L											X					
29 ~~32~~	GW3		1L												X				
30 ~~33~~	GW3		1L	P						~~HNO3~~						X			
31 ~~34~~	GW4		1oz	G			11:00			HCL		X							
31	GW4 duplicate		1oz							HCL		X							
32 ~~35~~	GW4		1L										X						
33 ~~36~~	GW4		1L											X					
33 ~~37~~	GW4		1L												X				
34 ~~38~~	GW4		1L	P						HNO3						X			

SAMPLED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT) Joseph Pope	DATE: 10/10/05
(SIGN)	TIME:	(SIGN) Joseph Pope	TIME: 14:20
RELINQUISHED BY: (PRINT) Aimee Petkus	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) Nicole Ingersoll	DATE: 10/11/05
(SIGN)	TIME:	(SIGN)	TIME: 9:30

AmeriSci Boston **SCI-SOP-1003**

Sample Receiving Form

CLIENT: Ethan C. Eldon	WORKORDER: 0510-137
CLIENTS JOB: Steinway St.	RECEIVED BY: MP
RECEIVED DATE: 10/11/05	SHIPPING METHOD: E.C
TEMP UPON RECEIPT: 4 °C	

"No" responses must be explained in the comment section below.

Checklist	YES	NO	NA
Were custody seals on shipping container(s) intact? Check "NA" if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms properly filled out (ink, signed, etc.)	X		
Were all containers received in good condition (Check for breakage/ leaks)?	X		
Were all containers labeled with required information (Sample Id, date, signed, analysis, preservation)?	X		
Were the correct containers used for the tests indicated?	X		
Were proper preservation techniques indicated?	X		
Were samples received within holding times? If "NO" nonconformance form is required.	X		
Were all VOA bottles checked for the presence of air bubbles? If bubbles were found please note in the comment section.	X		
Were samples in direct contact with wet ice? If "NO" check one: ☒ Blue Ice ☐ No Ice		X	
Is sample temperature recorded ? If "NO" check one: ☐ Unable to record ☐ Temp taken near samples	X		
Were pHs of samples checked and recorded on the COC forms?	X		
Did the laboratory accept samples?	X		
Will samples be subcontracted? If "yes" list subcontractor and tests in specified sections below.	(X)	~~X~~ (MP)	

Subcontractor: Phoenix	Date Sent Out: 10/24/05
Analyses Sent: Pest/PCB	

Login Technician: (MP)	Login Review:
Comments:	
#35 Field Blank - SVOC only } per Aimee Petkus.	
#36 Trip Blank - VOC only	
See Emails regarding additional analyses. (MP)	

Please Reply To:

AmeriSci Boston
Eight School Street
Weymouth, MA 02189
TEL:(781)337-9334 FAX:(781)337-7642

FACSIMILE TELECOPY TRANSMISSION

To: Ms. Aimee Petkus
Ethan C. Eldon Associates, Inc

Fax # 212-967-2747

eceaaimee@aol.com

AmeriSci Job# 0510-00137
Subject: STEINWAY ST.: SOIL + WATER

Date: Wednesday, November 02, 2005

Time: 6:36:37PM

Comments:

This report consists of 151 pages, including:

Cover Page (Facsimile Telecopy Transmission)	1	pages
Laboratory Report	141	pages
Chain of Custody Record	5	pages
Air bill	1	pages
Sample Receiving Form	1	pages
Miscellaneous	2	pages

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AmeriSci Boston
Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 11/02/2005
Workorder No. 0510-00137

Customer: Ethan C. Eldon Associates, Inc
1350 Broadway
Suite 612
New York, NY 10018

Attention: Ms. Aimee Petkus

Subject: STEINWAY ST.: SOIL + WATER

Sample: 001 SB1 0-2'
Collection Date: 10/07/2005 **Time:** 3:00:00PM **Received Date:** 10/11/2005 **Time:** 9:30:00AM
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Volatile Organics							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Chloromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Bromomethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Chloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Acrolein	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
Acetone	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Iodomethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Carbon Disulfide	EPA 8260B	236	ug/Kg	42	MVP	10/18/2005 / 3:04	
Methylene Chloride	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Acrylonitrile	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Chloroform	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Bromochloromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744
ND = Not Detected PQL= Practical Quantitation Limit

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0510-00137

Sample: 001 SB1 0-2'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Benzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Trichloroethylene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
Toluene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
2-Hexanone	EPA 8260B	ND	ug/Kg	42	MVP	10/18/2005 / 3:04	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Chlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Ethylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
M & P XYLENE	EPA 8260B	ND	ug/Kg	17	MVP	10/18/2005 / 3:04	
O-XYLENE	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Styrene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Bromoform	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Bromobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0510-00137

Sample: 001 SB1 0-2'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
Naphthalene	EPA 8260B	71.1	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.5	MVP	10/18/2005 / 3:04	
DIBROMOFLUOROMETHANE (SURR)		101	%		MVP	10/18/2005 / 3:04	
TOLUENE-D8 (SURROGATE)		96.6	%		MVP	10/18/2005 / 3:04	
4-BROMOFLUOROBENZENE (SURR)		98.6	%		MVP	10/18/2005 / 3:04	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Phenol	EPA 8270C	ND	ug/Kg	580	NAC	10/20/2005 / 17:37	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	600	NAC	10/20/2005 / 17:37	
Hexachloroethane	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	1400	NAC	10/20/2005 / 17:37	
Nitrobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Isophorone	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
bis (2-Chloroethoxy)	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0510-00137

Sample: 001 SB1 0-2'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Naphthalene	EPA 8270C	5200	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Chloro3-methylphenol	EPA 8270C	ND	ug/Kg	600	NAC	10/20/2005 / 17:37	
2-Methylnaphthalene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2-Chloronaphthalene	EPA 8270C	22000	ug/Kg	2600	NAC	10/21/2005 / 12:45	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Acenaphthylene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
DimethylPhthalate	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Acenaphthene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Dibenzofuran	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Fluorene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Phenanthrene	EPA 8270C	650	ug/Kg	530	NAC	10/20/2005 / 17:37	
Anthracene	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Carbazole	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	
Fluoranthene	EPA 8270C	1100	ug/Kg	530	NAC	10/20/2005 / 17:37	
Benzidine	EPA 8270C	ND	ug/Kg	530	NAC	10/20/2005 / 17:37	

CHAIN OF CUSTODY

ETL
208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

P. 3 of 3

(LAB USE ONLY)
(Place ETL Lab ID Label here)

Client Information

Company Name: Metrow Development Services LLC
Address: 1610 New Highway
City: Farmingdale State: NY Zip:
Project Contact: ELLIS KOCH
Phone #: 631 249 1872 ext 282 Fax #: 631 752 3008
E-mail: ekoch@metrowdev.com

Project Information

Project Name: 19-73 38th St
Street:
City: Astoria State: NY Zip:
Project #:
Sampler's Name: William Schlageter
Sampler's Signature:

Analytical Information

☒ 8260 ☐ 624 ☐ 8021 ☐ 602 ☐ BTEX ☐ MTBE ☐ TBA ☐ NAPH ☐ TCL ☐ STARS ☐ TCLP
☒ 8270 ☐ 625 ☐ TCL ☒ STARS ☐ AE ☐ BN ☐ PAH ☐ TCLP
☐ TIC: ☐ +10 ☐ +15 ☐ +25 ☐ +99
☐ PEST ☐ PCB ☐ HERB ☐ TCLP ☐ VPH ☐ EPH ☐ DRO ☐ GRO ☐ 8100 ☐ NIOSH1500
☒ METALS ☐ TOTAL ☐ TAL ☒ RCRA ☐ TCLP ☐ Mercury ☐ Hardness ☐ Lead
☐ BOD ☐ CN ☐ TS ☐ 1664 ☐ O&G ☐ TPHC ☐ FP ☐ pH ☐ REACT ☐ RIC

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	8260	8270	TIC	PEST	METALS	BOD	(LAB USE ONLY)
	TP-10 9-10'	G	S	8/8/06	12:15		2									X	X			X		
	TP-11 5'	G	S	8/8/06	13:30		2									X	X			X		
	TP-11 10'	G	S	8/8/06	14:00		2									X	X			X		

Turnaround Time (Business Days)

- ☒ Standard 7-10 Business Days
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☐ 2 Day *RUSH*
- ☐ 1 Day *RUSH*

(LAB USE ONLY) TAT Approved By / Date:

Data Deliverable Information

- ☒ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ MA QC Package (LevelMA)
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-2)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other _____
- ☐ EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

copy results to BSchlageter@preferred.nyc.com

ETL COC Review Check List (LAB USE ONLY)

- ☐ Track Log in and Initial Review — Init: Date/Time:
- ☐ Final Review and Approval — Init: Date/Time:
- ☐ Complete and Invoiced — Init: Date/Time:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 8/9/06 10:30	1	2	2 8/9 10:21	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5	COOLER INFORMATION: Cooler Temp: _____ pH: _____ ☐ On Ice ☐ Sample Received Intact		

Test Pit	Soil Descriptions	Samples
Test Pit 1	Fill Material, Fine sand and silt. Concrete fragments, brick and other fill materials into water table. Water Table at 10 feet bgs. No odors, staining or PID responses.	10-12 ft 5-6 ft 2-3 ft GW-1
Test Pit 2	Fill material - fine sand and silt with concrete and brick fragments to seven feet bgs. Groundwater at 10 ft bgs- dark brown silty clay. No odors, staining, PID responses.	5.6 ft 10-12'
Test Pit 3	Fill material concrete fragments, brick fragments, srap metal, glass to five feet bgs. At 5 feet bgs, a thin (one-inch thick) layer of black colored silt - a slight old petroleum odor noted. [illegible]	GW-2 11-13' 2-3'
Test Pit 4	Fill material fine sand and gravel to 8 ft bgs. Brick concrete and wood blocks from 8 ft bgs into water table at 9 ft bgs. Coal/Fly ash at 9.5 ft bgs to 16 ft (at least (could not get out of ash fill). No odors or PID responses.	GW-3 11-13 ft 7-9'
Test Pit 5	Fill material fine sand and gravel, some scrap metal, brick and concrete to 7 ft bgs. Coal/Fly ash at 7 ft bgs into water table. A slight sheen and petroleum odor noted on groundwater. PID response on sample from within water table 1.7 PPM.	GW-4 10-12 4-5'
Test Pit 6	Fill material - fine sand silt, concrete, brick, glass to 4 ft bgs, Coal/fly ash at 4 ft bgs into the water table (9 ft bgs). Ash extends to depth of 15 feet bgs, where a fine grey sand and silt was encountered. Petroleum odor in GW, PID response of 54.8 on 5-6 ft sample.	5-6 ft. 15-16 ft. GW-5
Test Pit 7	Two layers of asphalt (two feet thick). Gravel, silt sand , brick and concrete blocks to 9.5 ft bgs (groundwater)> Strong petroleum-like odors noted from 8ft into groundwater. At 10 ft, a layer of ash, which appeared different than other ash (may be incinerator ash- not coal).	4-5 14-15
Test Pit 8	18 inches of asphalt- 6 inches of base. Fill material- fine sand, silt, concrete, scrap metal. Foundation of central building encountered at north end. Steel beam at ten feet bgs (at water table) storng petroleum odors noted at nine feet. Layer of spotty floating product noted on GW.	4-5 ft 8-9 ft GW-6
Test Pit 9	Gravel cover. Fine red sand and silt wilt brick and concrete to 2.5 ft bgs. Brown-fine sand and silt from 2.5 to 6 ft bgs. Light tan/brown silt with medium-to-fine sands to ten feet bgs. A concrete slab (former tank pad) noted remnants of monitoring wells noted. Strong petroleum odors and heavy soil staining at 8.5 ft bgs into water table. More substantial product noted on water table (less than 1/8 inch). The excavation was extended to north under foundation of former building. Petroleum odors and PID responses up to 300 ppm noted on shallow soils (four feet bgs).	4[illegible] ft (north wall) 9-10 ft GW-7 5 ft
Test Pit 10	To west of No. 9. Steel pipes (potentially former fill piping noted at 2 ft bgs within excavation). Grey black silt with strong petroleum odor at 9 feet bgs. At 10 ft (into water table) coal fly ash encountered. Strong petroleum-odor. Spotty product again noted (less substantial tan in No. 9). PID responses 150 PPM.	9-10 ft
Test Pit 11	To east of No. 9. Red fine sand and silt encountered to 2.5 ft bgs. 2.5 ft to 8 ft. bgs- grey silty clay material slight old petroleum odor noted. Concrete fragments with scrap metal to 10 ft bgs. Eastern edge of concrete tank mat encountered at 10 ft bgs. Soil at tank mat black-colored strong petroleum odor - wet. PID responses 5 to 16.3 PPM.	5 ft 10 ft.

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

(LAB USE ONLY)
(Place ETL Lab ID Label here)

Client Information

Company Name
Address
City State Zip
Project Contact
Phone # Fax #
E-mail

Project Information

Project Name
Street
City State Zip
Project #
Sampler's Name
Sampler's Signature

Analytical Information

☐8260 ☐624 ☐8021 ☐602 ☐BTEX ☐MTBE
☐TBA ☐NAPH ☐TCL ☐STARS ☐TCLP
☐8270 ☐625 ☐TCL ☐STARS ☐AE ☐BN
☐PAH ☐TCLP
☐TIC: ☐+10 ☐+15 ☐+25 ☐+99
☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH
☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500
☐METALS ☐TOTAL ☐TAL ☐RCRA ☐TCLP
☐Mercury ☐Hardness ☐Lead
☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP
☐pH ☐REACT ☐RIC

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Type	Matrix Code	Sample Collection: Date	Time	Wt/Vol (Air Volume in Liters)	Sample Containers: Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	(LAB USE ONLY)

Turnaround Time (Business Days)

☐ Standard 7-10 Business Days
☐ 5 Day *RUSH*
☐ 4 Day *RUSH*
☐ 3 Day *RUSH*
☐ 2 Day *RUSH*
☐ 1 Day *RUSH*

(LAB USE ONLY)
ALA Approved By / Date:

Data Deliverable Information

☐ Results Only (Level-1)
☐ Results plus Misc. QC (Level-2)
☐ Results plus ALL QC (Level-3)
☐ MA QC Package (LevelMA)
☐ NJ QC Package (Level3NJ)
☐ CLP Category A (Level-2)
☐ CLP Category B (Level-4)
☐ ASP QC Package (Level-4)
☐ Other _____
☐ EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

ETL QC Review Check List (LAB USE ONLY)
☐ Task Code and Initial Review Init: Date/Time:
☐ Initial Review and Approval Init: Date/Time:
☐ Completed and Invoiced Init: Date/Time:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1	1	2	2	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5	5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

(LAB USE ONLY)
(Place ETL Lab ID Label here)

Client Information

Company Name

Address

City State Zip

Project Contact

Phone # Fax #

E-mail

Project Information

Project Name

Street

City State Zip

Project #

Sampler's Name

Sampler's Signature

Analytical Information

☐8260 ☐624 ☐8021 ☐602 ☐BTEX ☐MTBE
☐TBA ☐NAPH ☐TCL ☐STARS ☐TCLP

☐8270 ☐625 ☐TCL ☐STARS ☐AE ☐BN
☐PAH ☐TCLP

☐TIC: ☐+10 ☐+15 ☐+25 ☐+99

☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH
☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500

☐METALS ☐TOTAL ☐TAL ☐RCRA ☐TCLP
☐Mercury ☐Hardness ☐Lead

☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP
☐pH ☐REACT ☐RIC

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Type	Matrix Code	Sample Collection: Date	Time	Wt/Vol (Air Volume in Liters)	Sample Containers: Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	(LAB USE ONLY)

Turnaround Time (Business Days)

☐ Standard 7-10 Business Days
☐ 5 Day *RUSH*
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☐ 1 Day *RUSH*

(LAB USE ONLY)
DATA Approved by/Date:

Data Deliverable Information

☐ Results Only (Level-1)
☐ Results plus Misc. QC (Level-2)
☐ Results plus ALL QC (Level-3)
☐ MA QC Package (LevelMA)
☐ NJ QC Package (Level3NJ)
☐ CLP Category A (Level-2)
☐ CLP Category B (Level-4)
☐ ASP QC Package (Level-4)
☐ Other _____
☐ EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

ETL QC Review Check List (LAB USE ONLY)

☐ Test Records and Initial Review — Init: — Date/Time:
☐ Final Review and Approval — Init: — Date/Time:
☐ Complete and Invoice — Init: — Date/Time:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1	1	2	2	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5	5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach Information)

CHAIN OF CUSTODY

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Sampler's Name

Sampler's Signature

Analytical Information

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☐PAH ☐TCLP

☐TIC: ☐+10 ☐+15 ☐+25 ☐+99

☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH
☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500

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☐Mercury ☐Hardness ☐Lead

☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP
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Matrix Codes

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Sample Information / Sample Collection / Sample Containers

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LAB USE ONLY
ETL Approved by: _____ Date: _____

Data Deliverable Information

☐ Results Only (Level-1)
☐ Results plus Misc. QC (Level-2)
☐ Results plus ALL QC (Level-3)
☐ MA QC Package (LevelMA)
☐ NJ QC Package (Level3NJ)
☐ CLP Category A (Level-2)
☐ CLP Category B (Level-4)
☐ ASP QC Package (Level-4)
☐ Other _____
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(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

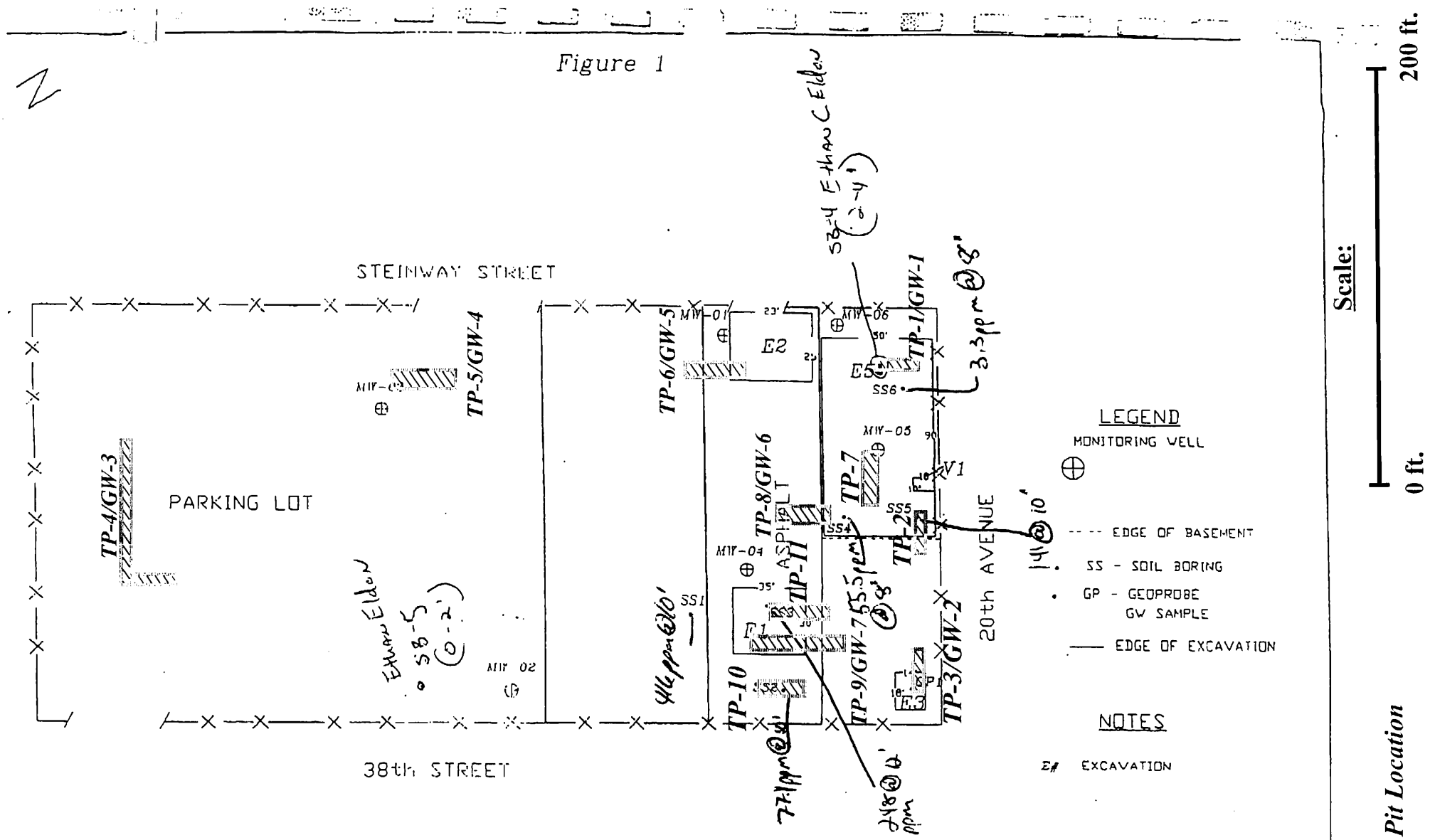
ETL COC Review Checklist (LAB USE ONLY)

☐ Data Package Internal Review Init: _____ Date/Time: _____
☐ Final Review and Approval Init: _____ Date/Time: _____
☐ Complete Invoicing Init: _____ Date/Time: _____

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1	1	2	2	2
Relinquished by:	**Date / Time:**	**Received By:**	**Relinquished By:**	**Date / Time:**	**Received By:**
3	3	3	4	4	4
Relinquished by:	**Date / Time:**	**Received By:**	COOLER INFORMATION		
5	5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Figure 1



APPROVED	REVISION

WALDEN ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
3 AUDREY AVENUE
OYSTER BAY, NEW YORK 11771
(516) 624-7200 FAX (516) 624-3219

19-80 STEINWAY STREET
ASTORIA, NEW YORK

DRAWING TITLE: SAMPLING LOCATION PLAN
DRAWING NO. 1
REV. NO.
SCALE: 1"=60'-0"
REVISION DATE:
JOB NO. AUDIT00496
CAD FILE NAME: Site Plan
SHEET 1 OF 1

WALDEN ASSOCIATES, INC.
Environmental Consultants
3 Audrey Avenue
Oyster Bay, New York 11771
Ph (516) 624-7200 Fx (516) 624-3219

December 22, 1997

Mr. Mark Tibbe
New York State Department of Environmental Conservation
222-34 96th Avenue
Queens Village, New York 11429

Re: Phase II Site Investigation / Site Closure Report
19-80 Steinway Street, Astoria
Spill # 96-13073

Dear Mr. Tibbe,

On behalf of the Queensboro Bridge Railway Company, Inc., we are enclosing results from the October 8 – 10, 1997 Phase II site investigation at the above-mentioned site. Walden Associates (Walden) in accord with the July 29, 1997 letter to New York State Department of Environmental Conservation (NYSDEC) implemented the scope of work defined therein. Walden subcontracted Aquifer Drilling and Testing (ADT) to perform drilling work and utilized Ecotest Laboratories (Ecotest) to analyze site related groundwater and soil samples. The purpose of this investigation work was to develop additional groundwater and soil data to support no further site remedial action and provide evidence to NYSDEC for site closure.

In response to NYSDEC's previous request, additional soil and groundwater samples were collected from three on-site areas where previous closure work was conducted in February and March 1997. This closure work involved the removal of two separate underground storage tank clusters (three tanks each) and contaminated soil from a basement area. These areas were designated Excavations - E1, E3, and E5, located in Figure 1. During site closure work all on-site underground storage vessels were removed, surrounding soil was excavated and disposed of, and clean

fill was imported and placed as backfill. Three – 4,000 gallon diesel underground storage tanks enclosed in a concrete vault were removed from E1. There were no holes observed in the tanks, and the excavation was backfilled to grade. Eighteen hydraulic lift systems, associated piping, two-550 gallon hydraulic oil tanks, and an underlying dirt floored basement area were excavated from E5. And an oil-water separator was removed from the excavation E3. Walden's June 1997 Investigative Work and Site Closure Report outlines the details of this work.

NYSDEC indicated that additional soil and groundwater samples must be collected to further support Walden's request for site closure. This letter discusses those additional site characterization efforts and presents findings from each area investigated. Soil sampling results are presented in Table 1 and 2, and groundwater sampling results are summarized in Table 3. Table 4 indicates groundwater elevation data. Soil and groundwater sampling locations are shown in Figure 1, and groundwater levations are shown in Figure 2. Well construction logs, boring logs, and laboratory summary sheets are attached.

Site Investigation Procedures

On October 8 – 10, 1997 a Walden hydrogeologist oversaw drilling and collected groundwater and soil samples from SS-1, SS-2, SS-3, SS-4, SS-5, SS-6, GP-1, MW-2, MW-3, MW-4, MW-5, and MW-6. ADT used a B-90 mobile drill rig and support truck with an air compressor to perform air rotary / ODEX drilling. Air rotary drilling was used to reach the required depth for split spoon soil sampling and monitoring well placement because thick surficial concrete underlined by miscellaneous fill covered most of the surface area. A Walden hydrogeologist collected at least one soil sample from the designated locations at a depth below the fill and above the groundwater table. Soil samples were analyzed by Ecotest Laboratories for volatile organic compounds + MTBE and semi-volatile organic compounds using EPA Method 8021 and 8270. An additional soil sample was collected and screened in the field for volatile organic compounds utilizing a Photo Ionization Detector (PID). The PID was used to detect concentrations of volatile organic vapors to guide the field investigation; PID readings are summarized on the attached boring logs.

Monitoring wells MW-4, MW-5, and MW-6 were installed to a total depth of 16', 14', and 16' below grade, respectively using two-inch diameter PVC casing, with ten feet of 0.02 inch slotted screen. Monitoring well screens bridged the water table and were surrounded with a sand pack to reduce the amount of fines entering the well. Bentonite pellets and a concrete seal were installed to prevent surface water from entering the well, well construction logs are attached.

Several hours after groundwater development on October 10, 1997, depth-to-groundwater measurements were taken from top of well casing which ranged from 7.76 to 8.79 feet. No free product was detected on the groundwater table in any monitoring well. MW-5 groundwater elevation data was disregarded because groundwater recovery was poor and was not given significant time to equilibrate after development. Table 4 and Figure 2 show groundwater elevation data. The on-site hydraulic gradient (Δ head / Δ distance) was approximately 0.0008. Regional groundwater generally flows to the east – northeast in this area. It should be noted that the observed change in on-site groundwater elevation across the site was only 0.09 feet, which does not allow for a full understanding of on-site groundwater flow. Approximately 5 - 10 volumes of standing water in monitoring wells MW-1, -2, -3, -4, -5, and -6 were removed and contained in 55-gallon drums to obtain a representative groundwater sample for analysis. In accordance with the July 29, 1997 letter, groundwater samples were collected from MW-4, MW-5, MW-6, and GP-1. Walden also collected samples from wells MW-2 and MW-3. All samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds using EPA Methods 8021 and 8270.

Former Excavation – E1

Soil Sampling

A Walden hydrogeologist located three soil boring locations (SS-1, SS-2, and SS-3) within and surrounding the former E1 excavation area, see Figure 1 for approximate sampling locations. An 18 inch thick reinforced concrete tank vault was located beneath the former tanks at approximately 8 feet below grade, and groundwater in this area was encountered between 8 and 10 feet below grade. Sample SS-3 was moved approximately 6 feet east because the air rotary drilling system could not penetrate through the rebar within this former vault bottom. SS-1 was collected at 13'-15' below grade

was collected at 11.5' –13.5' below grade because no sample was recovered at 8'-10'. PID headspace samples for SS-1, -2, and-3 were 17.5 parts per million (ppm), 77.1 ppm, and 248 ppm, respectively, see the attached boring logs. Soil samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds.

Soil Sampling Results

No volatile organic compounds and MTBE were detected in SS-1, SS-2, and SS-3. All semi-volatile organic compounds were below NYSDEC Stars TCLP Guidance Values, except benzo(a)anthracene and chrysene in SS-1 and SS-2; benzo(b) fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene in SS-1, and napthlalene in SS-3, see Table 1 and 2 for soil sampling results.

Groundwater Sampling

MW-4 was installed to the northeast and downgradient (based on the previously calculated groundwater flow direction) of E1 to collect a representative groundwater sample of this area. Depth to water was 8.12 feet from top of well casing, and no free product was detected. Well construction logs are attached. Approximately 55 gallons of water, or ten volumes of standing water, in the well were removed from MW-4 before it was sampled. Groundwater samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds.

Groundwater Sampling Results

All volatile organic compounds and MTBE and semi-volatile organic compounds were below the NYS Class GA Groundwater Standards, see Table 3 for groundwater results.

Former Excavation – E5

Soil Sampling

A Walden hydrogeologist located three soil boring locations (SS-4, SS-5, and SS-6) within the former E5 excavation area, see Figure 1 for approximate sampling locations. Recently imported backfill was encountered from 0 to approximately 8 feet below grade, and groundwater was reached at 8 and 10 feet below grade. Walden attempted to collect soil samples immediately below the interface of backfill and native material. SS-4 was collected at 8'-10' below grade, SS-5 was collected at 7.5'-9.5' below grade, and SS-3 was collected at 8'-10' below grade. PID headspace samples for SS-4, -5, and -6 were 55.5 ppm, 33.1 ppm, and 3.3 ppm, respectively, see attached boring logs. Soil samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds.

Soil Sampling Results

All volatile organic compounds and MTBE were below NYSDEC Stars TCLP Guidance Values for SS-4 and SS-6. Slightly elevated volatile organic compounds were detected in SS-5. Slightly elevated semi-volatile organic compounds were detected in all samples collected in this area, although total semi-volatile organic compounds remain below the total NYSDEC Stars TCLP Guidance Values. Tables 1 and 2 show all soil sampling results.

Groundwater Sampling

MW-5 was installed within E5 to sample groundwater below this area, and MW-6 was installed to sample groundwater directly downgradient of E5, see Figure 1 for sampling locations. Depth to water for MW-5 and MW-6 were 7.6 and 8.37 feet from the top of well casing respectively, and no free product was detected. Well construction logs are attached. Approximately 55 gallons of water, or ten volumes of standing water, was removed from MW-6 before a groundwater was collected to obtain a representative sample. Approximately 20 gallons or five volumes of standing water were removed from MW-5 before a groundwater sample was collected due to poor well recovery. Groundwater

samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds.

Groundwater Sampling Results

All volatile organic compounds + MTBE and semi-volatile organic compounds were below NYS Class GA Groundwater Standards in MW-6. All semi-volatile organic compounds were below NYS Class GA Groundwater Standards in MW-5. Slightly elevated volatile organic compounds were reported in MW-5, see Table 3 for groundwater results.

Former Excavation – E3

Groundwater Sampling

At the NYSDEC's request, groundwater sample GP-1 was collected from this area. On October 9, 1997, Walden instructed ADT to drill to approximately 13 feet below grade in the center of former excavation E3, see Figure 1 for location. Groundwater was encountered at 8 feet below grade, and no free product was present. Drilling tools were left in the ground over night to allow sediment to settle out of the tool annulus. On October 10, 1997 groundwater sample GP-1 was collected. It should be noted that although the water was allowed to settle over night the sample still contained a significant amount of fines.

Groundwater Sampling Results

All volatile organic compounds and MTBE were below the NYS Class GA Groundwater Standards for GP-1. Several target list semi-volatile compounds were detected above the NYS Class GA Groundwater Standards in GP-1, see Table 3 for groundwater sampling results. Walden believes that results were elevated because of the mix matrix nature of the sample collected through this temporary sampling source.

Existing Monitoring Wells – MW-2 and MW-3

Groundwater samples were collected from MW-2 and MW-3, which are located on the northern and downgradient portion of the site, see Figure 1 for approximate locations. Approximately 55 gallons of groundwater were re-developed from each MW-2 and MW-3 and contained in drums to ensure proper connectivity with the aquifer. Groundwater samples were collected and analyzed for volatile organic compounds + MTBE and semi-volatile organic compounds using EPA Method 8021 and 8270.

Groundwater Sampling Results

Volatile organic compounds and semi-volatile organic compounds were below detection limits in MW-2 and MW-3. MTBE was noted in both wells below the NYS Class GA Groundwater Standards in MW-2 and MW-3, see Table 3 for groundwater sampling results.

Conclusions

During the winter of 1997 approximately 1,800 tons of petroleum contaminated soil was excavated from areas designated as E1 and E5. During the over-excavation of E1 it was noted that surrounding soils were almost entirely non-virgin and consisted primarily of coal cinders and cobbles. This material was indicative of past filling from a former land use. The over-excavation of E5 extended beneath the water table approximately two feet where clean material was encountered.

The following list summarizes the recent investigation at the site.

- There are no on-site groundwater issues. Groundwater sampling results show no free product present in any on-site wells. Volatile organic compound sampling results from on-site permanent monitoring wells indicate no NY State GA Groundwater Standards or maximum compound lists (MCLs) exceedances. Semi-volatile organic compound results indicate no NY State GA Groundwater Standard exceedances, except for GP-1, which does not reflect a groundwater sample, but rather a mixture of groundwater and soil.

Soil samples collected from within and surrounding former excavation - E1 have non-detectable volatile organic compounds, and only slightly elevated concentrations of semi-volatile organic compounds. The total sum of semi-volatile organic compounds ranged from 0.25 ppm to 5.33 ppm in this area, which is substantially below the total NYSDEC Stars TCLP Guidance Value of 6.6 ppm.

Soil samples collected from within former excavation area E5 contained only slightly elevated volatile organic compounds and semi-volatile organic compounds. The total volatile organic and semi-volatile organic compounds were below the total NYSDEC Stars TCLP Alternative Guidance Values of 1.56 ppm and 6.6 ppm, respectively.

Recommendations

Based on site sampling data and field observations, Walden recommends that NYSDEC remove the site's spill # 96-13073 from its active list. Walden notes that groundwater sampling results indicated non-detectable petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures. This property should be placed back into its allowed zoning use to help revitalize the surrounding community.

Queensboro Bridge Railway Corporation is in its final stages of sales negotiation related to this property and can not conclude these activities until such time as this property's spill file is closed. Walden would like to discuss this property with you as soon as you have reviewed this closure request. Please call Samantha Bennett or me if you have any questions.

Very truly yours,

Walden Associates, Inc.
Environmental Consultants

Joseph M. Heaney III, P.E.
Principal

JMH/sgb

Cc:
D. Scwabb, Esq.
C. Beers, Esq.

QUEENSBORO BRIDGE RA AY COMPANY, INC.
19-80 STEINWAY STREET, ASTORIA, NEW YORK

TABLE 1

SOIL SAMPLING RESULTS
(BTEX COMPOUNDS)

OCTOBER 1997

Compound (ppm)	NYSDEC STARS TCLP Alternative Guidance Value	SS-01 (13'-15')	SS-02 (8'-10')	SS-03 (11.5'-13.5')	SS-04 (8'-10')	SS-05 (7.5'-9.5')	SS-06 (8'-10')
MTBE	0.05 **	< 0.002	< 0.002	< 0.002	0.002	< 0.050	0.006
Benzene	0.014	< 0.002	< 0.002	< 0.002	< 0.002	0.12	< 0.002
Toluene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	0.08	< 0.002
Ethyl Benzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
m+p Xylene	0.1	< 0.002	< 0.004	< 0.004	< 0.004	< 0.10	< 0.004
o Xylene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
Xylene	0.1	< 0.002	< 0.006	< 0.006	< 0.006	< 0.150	< 0.006
Isopropylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
n-Propylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
135-Trimethylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
124-Trimethylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	0.12	< 0.002
sec-Butylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
p-Isopropyltoluene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	0.05	< 0.002
n-Butylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.002
Naphthalene	0.2	< 0.002	< 0.002	< 0.002	< 0.002	1.5	< 0.002
tert-Butylbenzene	0.1	< 0.002	< 0.002	< 0.002	< 0.002	< 0.050	< 0.030
Total VOCs + MTBE	1.564	ND	ND	ND	0.002	1.87	0.006

NOTES:
All Results Reported In Parts Per Million (ppm).
All Samples Were Analyzed Using EPA Method 8021 By Ecotest Laboratories, NY.
ND = Not Detected
** - Guidance Value For Gasoline Contaminated Soil.

TABLE 2

SOIL SAMPLING RESULTS
(SEMI-VOLATILE COMPOUNDS)

OCTOBER 1997

Compound (ppm)	NYSDEC STARS TCLP Alternative Guidance Value	SS-01 (13'-15')	SS-02 (8'-10')	SS-03 (11.5'-13.5'	SS-04 (8'-10')	SS-05 (7.5'-9.5')	SS-06 (8'-10')
Naphthalene	0.2	< 0.030	< 0.030	0.46	< 0.030	< 0.030	0.03
Acenaphthene	0.4	0.082	< 0.030	0.35	< 0.030	0.071	< 0.030
Fluorene	1	0.079	< 0.030	< 0.30	< 0.030	0.061	0.032
Phenanthrene	1	0.78	0.044	0.67	0.072	0.44	0.23
Anthracene	1	0.24	< 0.030	< 0.30	< 0.030	0.14	0.053
Fluoranthene	1	0.85	0.065	0.43	0.11	0.43	0.24
Pyrene	1	1	0.068	0.54	0.15	0.53	0.22
Benzo(a)anthracene	0.00004	0.49	0.033	< 3.0	0.046	0.2	0.11
Chrysene	0.00004	0.49	0.038	< 3.0	0.047	0.2	0.12
Benzo(b)fluoranthene	0.00004	0.395 *	< 0.30	< 3.0	0.03 *	< 0.30	0.085 *
Benzo(k)fluoranthene	0.00004	0.395 *	< 0.30	< 3.0	0.030 *	< 0.30	0.085 *
Benzo(a)pyrene	0.00004	0.53	< 0.30	< 3.0	0.041	< 0.30	0.09
Dibenzo(a,h)anthracene	1	< 0.3	< 0.30	< 3.0	< 0.030	< 0.30	< 0.030
Indeno(1,2,3-cd)pyrene	0.00004	< 0.3	< 0.30	< 3.0	< 0.030	< 0.30	0.04
Benzo(ghi)perylene	0.00004	< 0.3	< 0.30	< 3.0	< 0.030	< 0.30	0.036
Total SVOCs	6.60	5.33	0.25	2.45	0.53	2.07	1.37

NOTES:
All Results Reported In Parts Per Million (ppm).
All Samples Were Analyzed Using EPA Method 8270 By Ecotest Laboratories, NY.
* - Unable To Separate Isomer.

QUEENSBORO BRIDGE RAILWAY COMPANY, INC.
19-80 STEINWAY STREET, ASTORIA, NEW YORK

TABLE 3

GROUNDWATER SAMPLING RESULTS
(BTEX SEMI-VOLATILE COMPOUNDS)

OCTOBER 1997

Compound	NYS Class GA Groundwater Standards (ppm)	GP-1	MW-2	MW-3	MW-4	MW-5	MW-6
MTBE	0.05	0.006	0.012	0.032	0.003	0.002	0.042
Benzene	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.002
Toluene	0.005	< 0.001	0.001	< 0.001	0.002	0.003	< 0.002
Ethyl Benzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.002
m+p Xylene	0.005	< 0.002	< 0.002	< 0.002	< 0.002	0.004	< 0.004
o Xylene	0.005	< 0.001	< 0.001	< 0.001	0.001	0.003	0.004
Xylene	0.005	< 0.003	< 0.003	< 0.003	< 0.003	0.007	< 0.006
Isopropylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002
n-Propylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
135-Trimethylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.002
124-Trimethylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	0.004	< 0.002
sec-Butylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
p-Isopropyltoluene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
n-Butylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
Naphthalene	0.01	< 0.001	< 0.001	< 0.001	< 0.001	0.008	< 0.002
tert-Butylbenzene	0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
Naphthalene	0.01	0.012	< 0.001	< 0.002	< 0.01	0.016	0.005
Acenaphthene	0.02	0.043	< 0.001	< 0.002	< 0.01	< 0.001	0.001
Fluorene	0.05	0.028	< 0.001	< 0.002	0.032	0.03	0.001
Phenanthrene	0.05	0.26	< 0.001	< 0.002	0.03	0.032	0.001
Anthracene	0.05	0.066	< 0.001	< 0.002	< 0.01	0.009	< 0.001
Fluoranthene	0.05	0.28	< 0.001	< 0.002	0.023	0.023	< 0.001
Pyrene	0.05	0.39	< 0.001	< 0.002	0.026	0.016	< 0.001
Benzo(a)anthracene	0.05	0.13	< 0.001	< 0.002	0.01	0.006	< 0.001
Chrysene	0.05	0.14	< 0.001	< 0.002	0.011	0.007	< 0.001
Benzo(b)fluoranthene	0.05	0.08 *	< 0.001	< 0.002	0.0085	0.0045	< 0.001
Benzo(k)fluoranthene	0.05	0.08 *	< 0.001	< 0.002	0.0085	0.0045	< 0.001
Benzo(a)pyrene	0.05	0.11	< 0.001	< 0.002	0.011	0.005	< 0.001
Dibenzo(a,h)anthracene	0.05	< 0.025	< 0.001	< 0.002	< 0.01	0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.05	0.026	< 0.001	< 0.002	< 0.01	0.001	< 0.001
Benzo(ghi)perylene	0.05	0.028	< 0.001	< 0.002	< 0.01	0.001	< 0.001

NOTES:

All Results Reported In Parts Per Million (mg/l).
Sample GP-01 Was Collected From A Temporary Geoprobe Point.
[illegible] EPA Method 8021 and 8270 By Ecotest Laboratories, NY.

QUEENSBORO BRIDGE RAILWAY COMPANY, INC.
19-80 STEINWAY STREET, ASTORIA, NEW YORK

TABLE 4

GROUNDWATER ELEVATIONS

OCTOBER 10, 1997

Well ID	Top of Casing Elevation (1)	Depth To Product	Depth To Water (2)	Groundwater Elevation (feet)
MW-1	98.27	0	8.28	89.99
MW-2	97.79	0	7.76	90.03
MW-3	98.83	0	8.79	90.04
MW-4	98.21	0	8.13	90.08
MW-5 (3)	97.54	0	7.6	89.94
MW-6	98.37	0	8.37	90

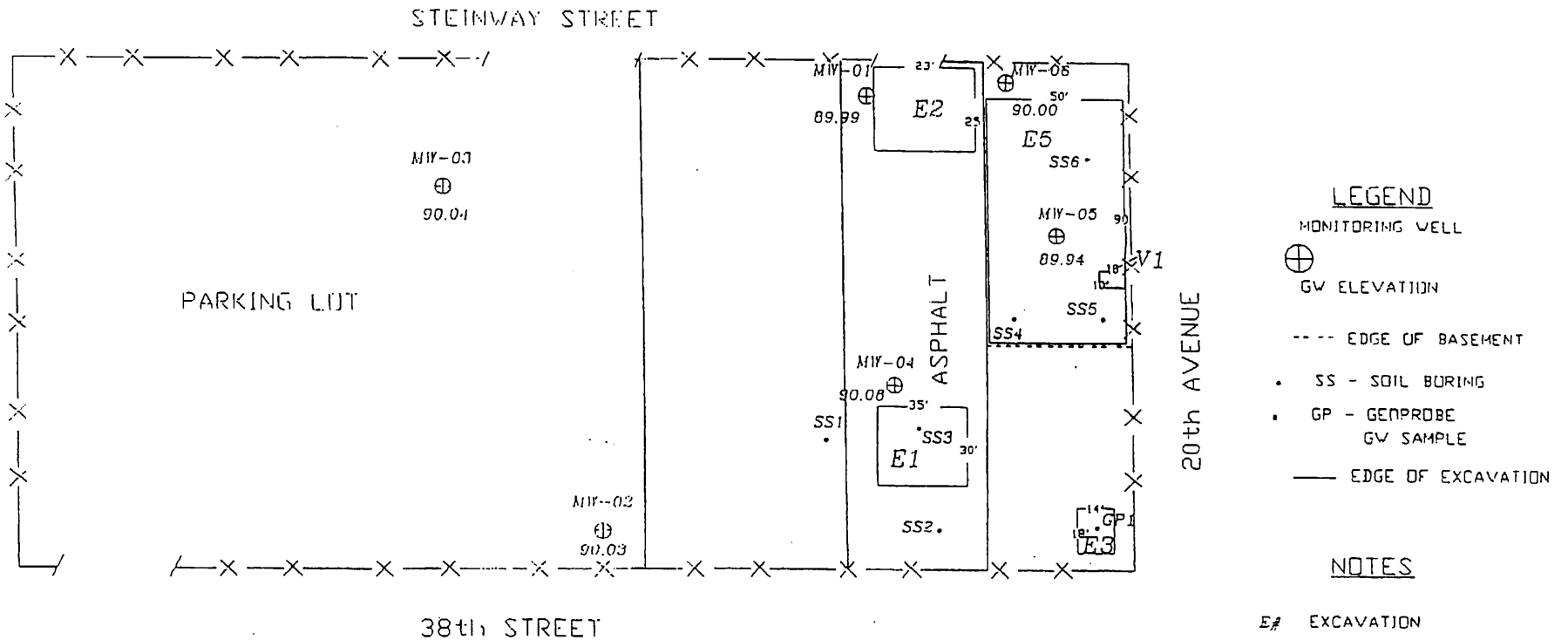
Notes:

1. Top Of Well Casing Elevations Were Based On A 100' Assumed Benchmark.

2. Depth To Water Measurements Taken 10/10/97 Prior To Sampling.

3. Insufficient Of Base Recovery After Purging

Figure 2



DATE	APPROVED	REVISION

WALDEN ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
3 AUDREY AVENUE
OYSTER BAY, NEW YORK 11771
(516) 624-7200 FAX (516) 624-3219

19-80 STEINWAY STREET
ASTORIA, NEW YORK

DRAWING TITLE: GROUNDWATER ELEVATION MAP
DRAWING NO. 1
REV. NO.
SCALE: 1"=60'-0"
REVISION DATE
JOB NO. AUDIT00496
CAD FILE NAME: Site Plan
SHEET 1 OF 1

L.G REP ORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1
STARTED: 10/8/97	DATE FINISHED: 10/8/97	BORING NO SS-01
Queensborough Bridge Railway Company		PROJECT No. ADIT00496
T NAME & LOCATION:	19-80 Steinway Street, Astoria, NY	PREPARED BY: Samantha Bennett
G CONTRACTOR: ADT	LOGGED BY: Jennifer Baus	DRILLER: Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
UIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER	140 lbs			BIT				

E ELEVATION:		SURFACE CONDITIONS: Dry	
R LEVEL AT	FT. AFTER HRS.	FT. AFTER	HRS.

PTH LOW GRADE	OVA READINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	RECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
								Fill
5								
	416 ppm	SS-1/8'-10'	8' - 10'	Very Moist	30%	10.15.12.25	ML	95% spoon = fill and 5% =
10	(0.8 back)							Clayey silt, some gravel, some
								cobbles, tan and some black, odor.
	17.5 ppm	SS-1/13'-15'	13' - 15'	Wet	50%	8.10.19.27	SM	50% spoon = fill and 50% =
15								Sand, medium, some silt, little clay
								tan and some black color.
20								
25								

G REPORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1

STARTED: 10/8/97	DATE FINISHED: 10/8/97	BORING NO SS-02
Queensborough Bridge Railway Company		PROJECT No. ADIT00496
NAME & LOCATION:	19-80 Steinway Street, Astoria, NY	PREPARED BY: Samantha Bennett
ING CONTRACTOR: ADT	LOGGED BY: Jennifer Baus	DRILLER: Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
JIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER	140 lbs							
				BIT				

E ELEVATION:		SURFACE CONDITIONS: Dry	
R LEVEL AT	FT. AFTER HRS.	FT. AFTER	HRS.

DEPTH BELOW GRADE	OVA READINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	RECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LLITTLE=10-20% SOME=20-30% AND=35-50%
0								Concrete
								Fill
5								
	77.1 ppm	SS-2/8'-10'	8' - 10'	Moist	25%	11, 30, 21, 21	SP	Sand, medium, mostly gray color,
10								with black on bottom 1/3, and tan
								on top 1/3. Little mica and brick
								fragments.
15								
20								
25								

LIG REPORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1
STARTED: 10/8/97	DATE FINISHED: 10/8/97	BORING SS-03
Queensborough Bridge Railway Company		PROJECT No. ADIT00496
ECT NAME & LOCATION:	19-80 Steinway Street, Astoria, NY	PREPARED BY: Samantha Bennett
ING CONTRACTOR: ADT	LOGGED BY: Jennifer Baus	DRILLER Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
UIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER L	140 lbs			BIT				

E ELEVATION:		SURFACE CONDITIONS: Dry	
ER LEVEL AT	FT. AFTER	HRS.	FT. AFTER	HRS.

PTH LOW GRADE	OVA EADINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	ECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LLITTLE=10-20% SOME=20-30% AND=35-50%
								Concrete
								Fill
5								
		SS-3/8'-10'	8'- 10'		0%	8. 16. 50+		Cobble
10								
	248 ppm	SS-3/11.5'-13.5'	11.5'-13.5'	Moist	50%	12.15.18.25	ML	Upper 3/4 - Fill, odor
								Bottom 1/4 - Clayey silt, little sand
15								
20								
	1							
25								

LING REPORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1
STARTED: 10/8/97	DATE FINISHED: 10/8/97	BORING NO SS-04
Queensborough Bridge Railway Company		PROJECT No. ADIT00496
ECT NAME & LOCATION:	19-80 Steinway Street, Astoria, NY	PREPARED BY: Samantha Bennett
NG CONTRACTOR: ADT	LOGGED BY: Jennifer Baus	DRILLER: Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
UIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER L	140 lbs			BIT				

CE ELEVATION:		SURFACE CONDITIONS: Dry	
ER LEVEL AT	FT. AFTER	HRS.	FT. AFTER	HRS.

EPTH ELOW GRADE	OVA READINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	RECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LLITTLE=10-20% SOME=20-30% AND=35-50%
								Fill
5								
	55.5 ppm	SS-4/5'-10'	5' - 10'	V Moist/Wet	50%	5,8,15,23	ML	Sand, some silt and clay, gray, bits
10								of quartz and mica, slight odor.
15								
20								
25								

NG REPORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1
STARTED: 10/8/97	DATE FINISHED: 10/8/97	BORING N SS-05
Queensborough Bridge Railway Company		PROJECT No. ADIT00496
T NAME & LOCATION:	19-80 Steinway Street, Astoria, NY	PREPARED BY: Samantha Bennett
LING CONTRACTOR: ADT	LOGGED BY: Jennifer Baus	DRILLER: Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
QUIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER ALL	140 lbs			BIT				

CE ELEVATION:		SURFACE CONDITIONS: Dry	
ER LEVEL AT	FT. AFTER	HRS.	FT. AFTER	HRS.

DEPTH BELOW GRADE	OVA READINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	RECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
0								
5								
	33.1 ppm	SS5/7.5'-9.5'	7.5' - 9.5'	Wet	25%	14, 19, 15, 12	FL	Fill, with some silt, odor.
10	141+ ppm	SS5/9.5'-11.5'	9.5'-11.5'	Wet	50%	9, 15, 18, 25	FL/CL	Upper 2/3 - Fill
								Bottom 1/3 - Clay, gray, high
								plasticity, odor
	NA	SS5/13'-15'	13'-15'		0%	15, 19, 21, 1		
15								
20								
25								

NG REPORT	WALDEN ASSOCIATES, INC. 3 Audrey Avenue Oyster Bay, New York 11771	SHEET 1 OF 1

E STARTED:	10/8/97	DATE FINISHED: 10/8/97	BORING NO SS-06
	Queensborough Bridge Railway Company		PROJECT No. ADIT00496
T NAME & LOCATION:	19-80 Steinway Street, Astoria, NY		PREPARED BY: Samantha Bennett
ING CONTRACTOR:	ADT	LOGGED BY: Jennifer Baus	DRILLER: Jerry / Anton

	SOIL SAMPLER:			CORE	MON. WELL (MW)			DRILL RIG
QUIPMENT:	S/S SPOON		AUGER	BARREL	CASING	SCREEN	CAP	AND METHOD
	Steel		Air Rotary		-	-	-	Mobile Drill Rig B-90
	2'							Air Rotary
MER LL	140 lbs			BIT				

CE ELEVATION:		SURFACE CONDITIONS: Dry	
ER LEVEL AT	FT. AFTER	HRS.	FT. AFTER	HRS.

EPTH LOW GRADE	OVA READINGS	SAMPLE TYPE AND NO.	DEPTH	MOISTURE CONTENT	RECOVERY	BLOWS/6" OR CORE TIME	STRATA DEPTH/ ELEV.	DESCRIPTION & REMARKS TRACE =0-10% LLITTLE=10-20% SOME=20-30% AND=35-50%
0								Fill
5								
	3.3 ppm	SS-6/8'-10'	8' - 10'	Moist	100%	16,10,11,15	CL	Clay, gray, high plasticity, little
10	(1.2 back)							meadow mat.
		SS-6/10'-12'	10' - 12'	Wet	75%	18,15,9,17	CL	Clay, gray, high plasticity.
15								
20								
25								

New York State Department of Environmental Conservation
Bureau of Spill Prevention and Response Field Office
222-34 95TH Avenue, Queens Village NY 11429
(718) 776-6080 FAX: (718) 740-6637

John P Cahill
Commissioner

May 28, 1998

Walden Associates, Inc.
3 Audrey Avenue
Oyster Bay, NY 11771

RE: Spill # 96-13073
Steinway Transit Corp.
19-80 Steinway Street
Queens, New York

Ms. Samantha Bennett,

Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. This Department requires no further action to be taken at this site. The Spill Number assigned to this site will be closed as of this date.

Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed It does not exempt the owner of this property from unforeseen, or future, environmental problems at this site, directly or indirectly related to the contamination source which initiated this work.

If there are any questions concerning this issue, please call me at (718) 776-6080.

Sincerely,

Mark C. Tibbe
Env. Eng. Tech. III
New York State Department of
Environmental Conservation

cc: File

C:\Mark\Closure.wpd

WALDEN ASSOCIATES, INC.
Environmental Consultants
3 Audrey Avenue
Suite 3
Oyster Bay, New York 11771
Ph (516) 624-7200 Fx (516) 624-3219

June 2, 1998

ADIT0 0496

Chris Beers, Esq.
Sanborn & Park
30 Rockerfeller Plaza
New York, New York 10112

Re: Site Closure for Spill # 96-13073
19-80 Steinway Street, New York

Dear Mr. Beers,

Walden is pleased to inform you that NYSDEC has officially closed the Spill Number 96-13073 for the Steinway Transit Corp. property located at the above referenced address. I have attached the NYSDEC closure letter dated May 28, 1998 for your files. As stated in the letter, no further environmental clean-up is required at the site, and property transactions may proceed as planned. You may release reports written by Walden as needed to interested parties. If you require a consultant to present these environmental reports, provide back-up information to buyer representatives, or conduct site orientation forums, please give us a call.

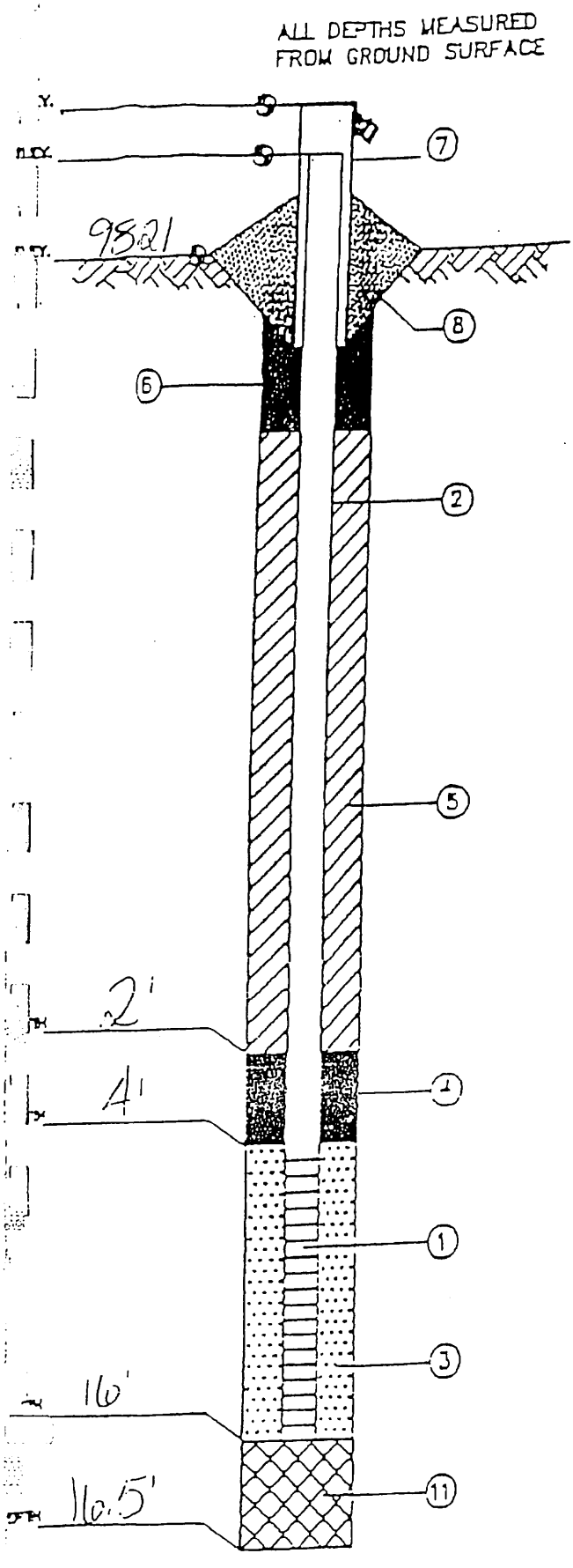
It was a pleasure working with you on this project. Good luck with the remaining work involved on this transaction. If you require additional assistance on this property or any future projects, please give us a call.

Very truly yours,
Walden Associates, Inc.
Environmental Consultants

Samantha Bennett

Samantha Bennett
Project Hydrogeologist

Cc: David Schwab, Esq.



MONITORING WELL CONSTRUCTION INFORMATION

JOB No. ADIT0044 CLIENT QUEENSBOROUGH BRIDGE RAILWAY CO.

LOCATION 19-80 STEINWAY STREET, ASTORIA

DATE 10/9/97 WELL No. MW-04

HYDROGEOLOGIST Samantha Bennett

DRILLING CONTRACTOR ADT

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10' ft.

SLOT SIZE 0.02 inches

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 6' ft.

PIPE & SCREEN DIA. 2" In.

JOINT TYPE-SLIP/GLUED _____ THREADED ✓

3.) TYPE OF BACKFILL AROUND SCREEN #2 Morie Sand

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL _____

HOW INSTALLED _____

6.) TYPE OF SURFACE SEAL (IF INSTALLED) Concrete

7.) PROTECTIVE CASING - YES ✓ NO _____

LOCKING CAP YES ✓ NO _____

8.) CONCRETE SEAL - YES ✓ NO _____

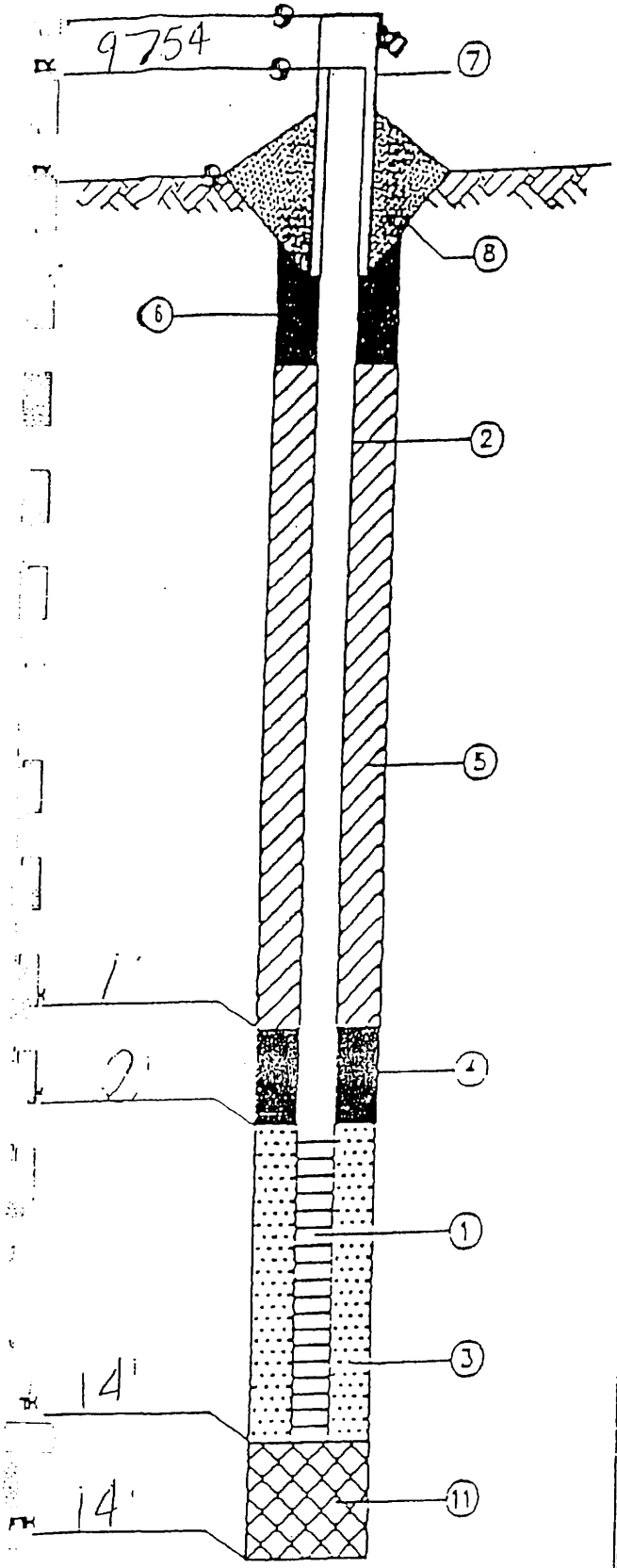
9.) DRILLING METHOD Mobile Drill B-90 - Air Rotary

10.) ADDITIVES USED (IF ANY) _____

WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
10/10/97	1010	8.12'	
10/10/97	1340	8.13'	

ALL DEPTHS MEASURED FROM GROUND SURFACE



MONITORING WELL CONSTRUCTION INFORMATION

JOB No. ADITCC496 CLIENT QUEENSBOROUGH BRIDGE RAILWAY CO.

LOCATION 19-80 STEINWAY STREET, ASTORIA, NY

DATE 10/9/97 WELL No. MW-05

HYDROGEOLOGIST Samantha Bennett

DRILLING CONTRACTOR ADT

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10' ft.

SLOT SIZE 0.02 inches

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 8' ft.

PIPE & SCREEN DIA. 2" In.

JOINT TYPE-SLIP/GLUED _____ THREADED ✓

3.) TYPE OF BACKFILL AROUND SCREEN #2 Morie Sand

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL —

HOW INSTALLED —

6.) TYPE OF SURFACE SEAL (IF INSTALLED) Concrete

7.) PROTECTIVE CASING - YES ✓ NO _____

LOCKING CAP YES ✓ NO _____

8.) CONCRETE SEAL - YES ✓ NO _____

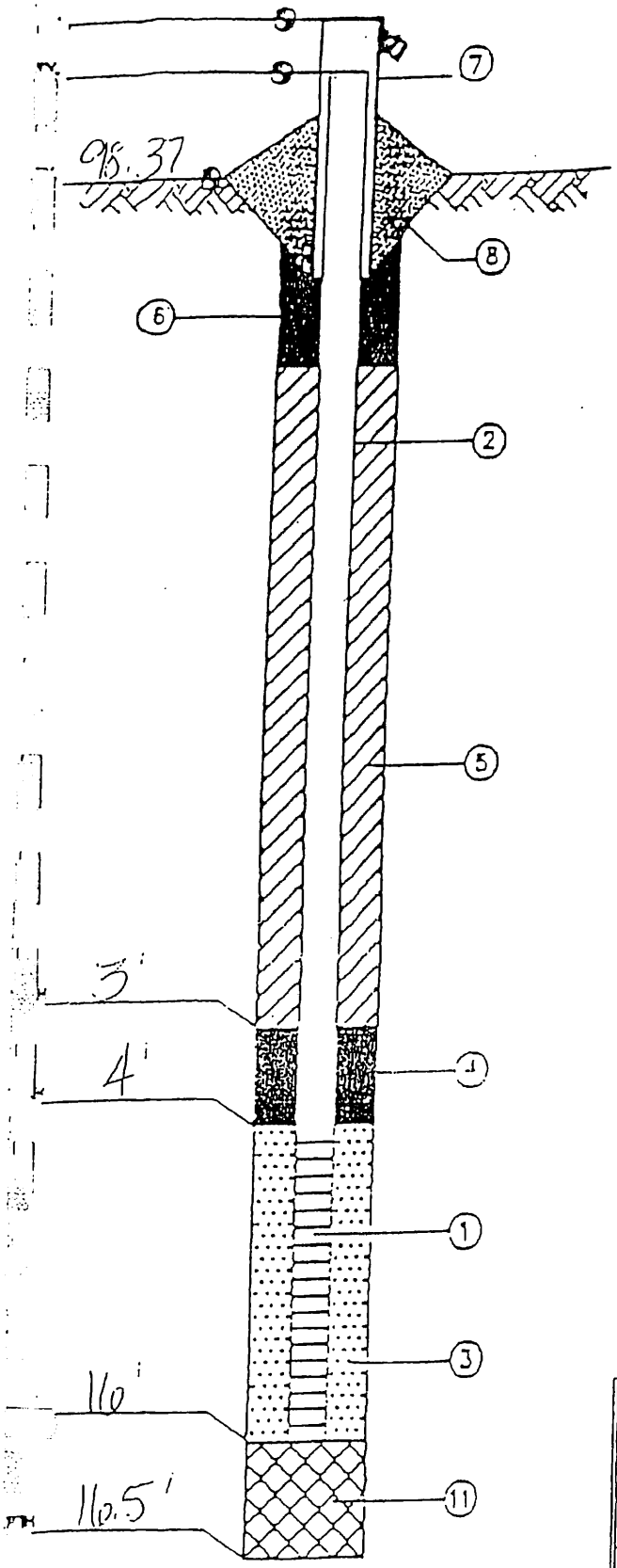
9.) DRILLING METHOD Mobile Drill B-90 - Air Rotary

10.) ADDITIVES USED (IF ANY) _____

WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
10/10/97	1015	9.13'	
10/10/97	1555	7.60'	

ALL DEPTHS MEASURED FROM GROUND SURFACE



MONITORING WELL CONSTRUCTION INFORMATION

JOB No. ADIT0049 CLIENT QUEENSBOROUGH BRIDGE RAILWAY CO.

LOCATION 19-80 STEINWAY STREET, ASTORIA

DATE 10/9/97 WELL No. MW-06

HYDROGEOLOGIST Samantha Bennett

DRILLING CONTRACTOR ADT

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10' ft.

SLOT SIZE 0.02 inches

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 6' ft.

PIPE & SCREEN DIA. 2" In.

JOINT TYPE-SLIP/GLUED _____ THREADED ✓

3.) TYPE OF BACKFILL AROUND SCREEN #2 Morie Sand

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL _____

HOW INSTALLED _____

6.) TYPE OF SURFACE SEAL (IF INSTALLED) Concrete

7.) PROTECTIVE CASING - YES ✓ NO _____

LOCKING CAP YES ✓ NO _____

8.) CONCRETE SEAL - YES ✓ NO _____

9.) DRILLING METHOD Mobile Drill B-90 - Air Rotary

10.) ADDITIVES USED (IF ANY) _____

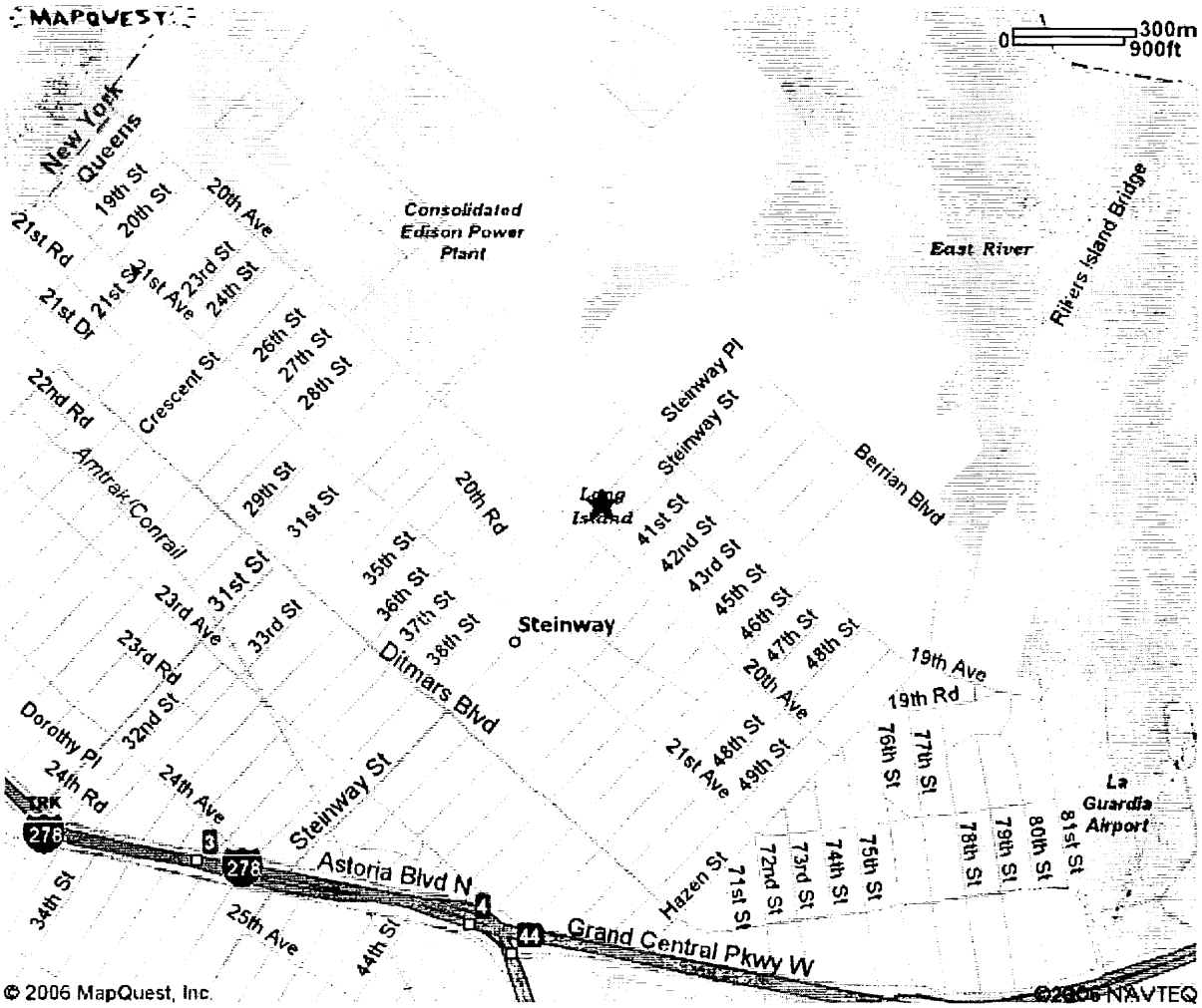
WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
10/10/97	1055	8.36'	
10/10/97	1530	8.37'	

MAPQUEST.

1973 38th St
Astoria NY
11105-1121 US

Notes:



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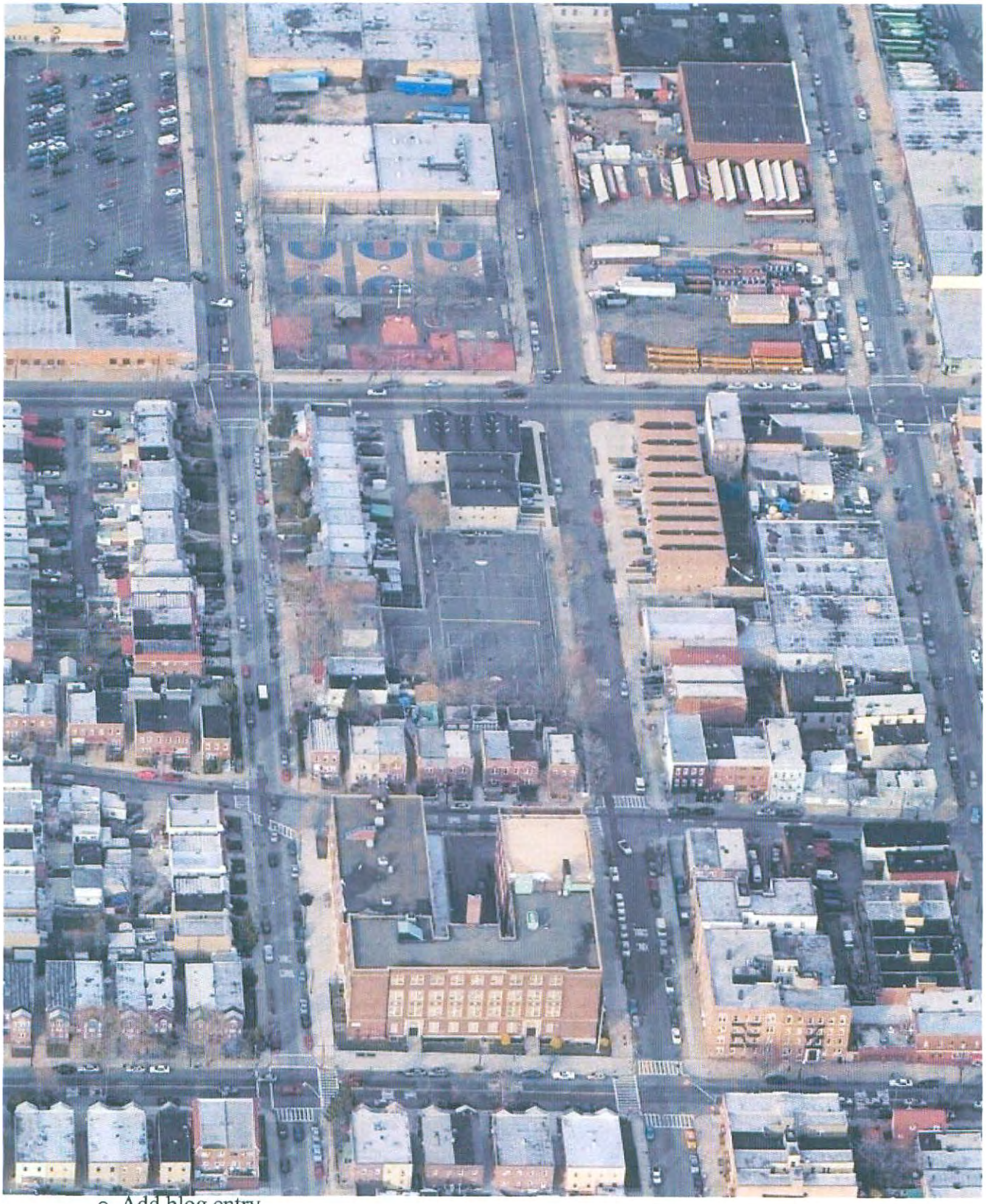

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  - Custom...

OASIS Map

width of map is **0.15 miles**.

Block/Lot Boundaries

nyc oasis

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NYC Basemap copyrighted by the New York City Department of Environmental Protection, 2000.

The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning.

Figure 1

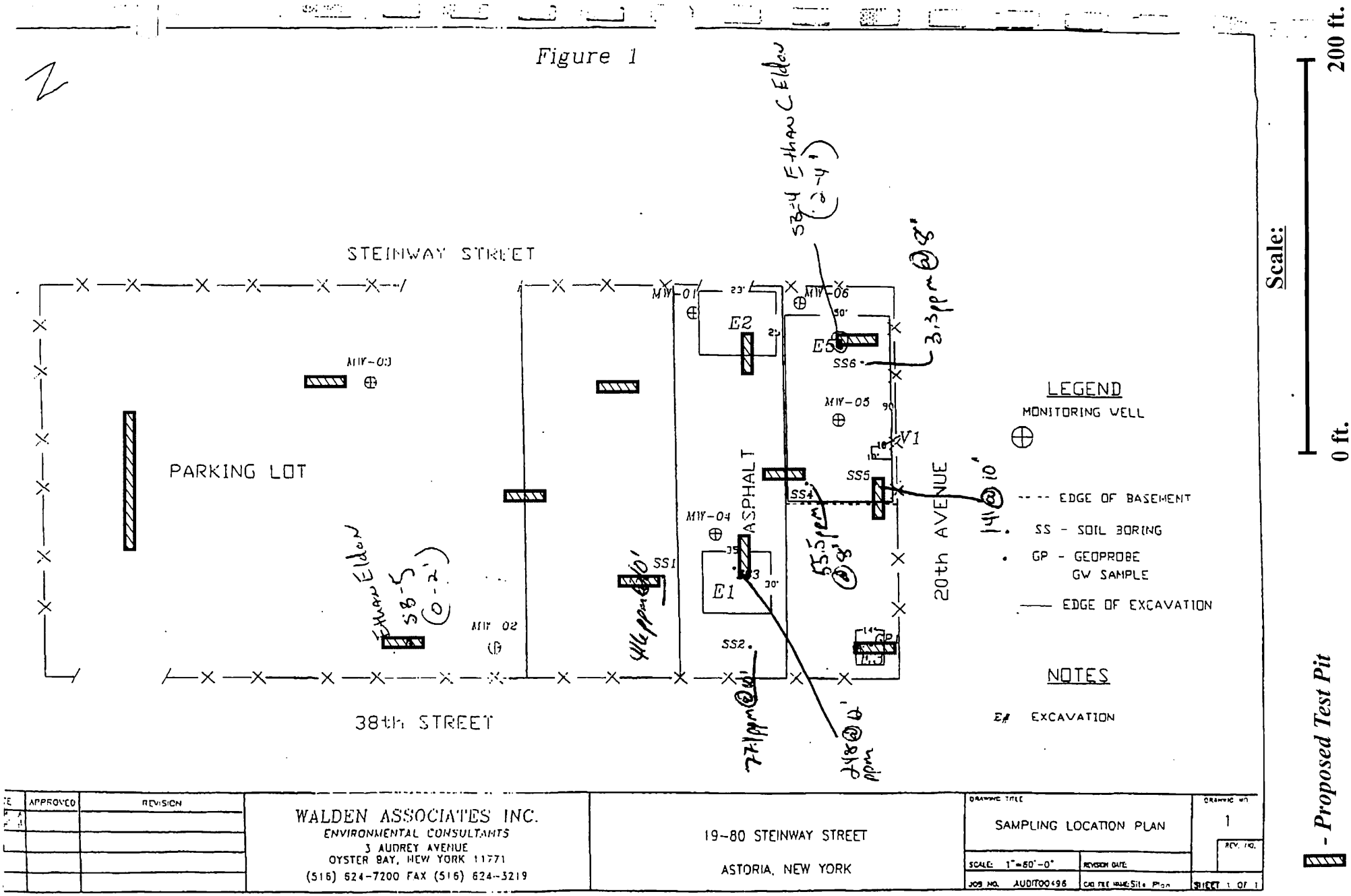
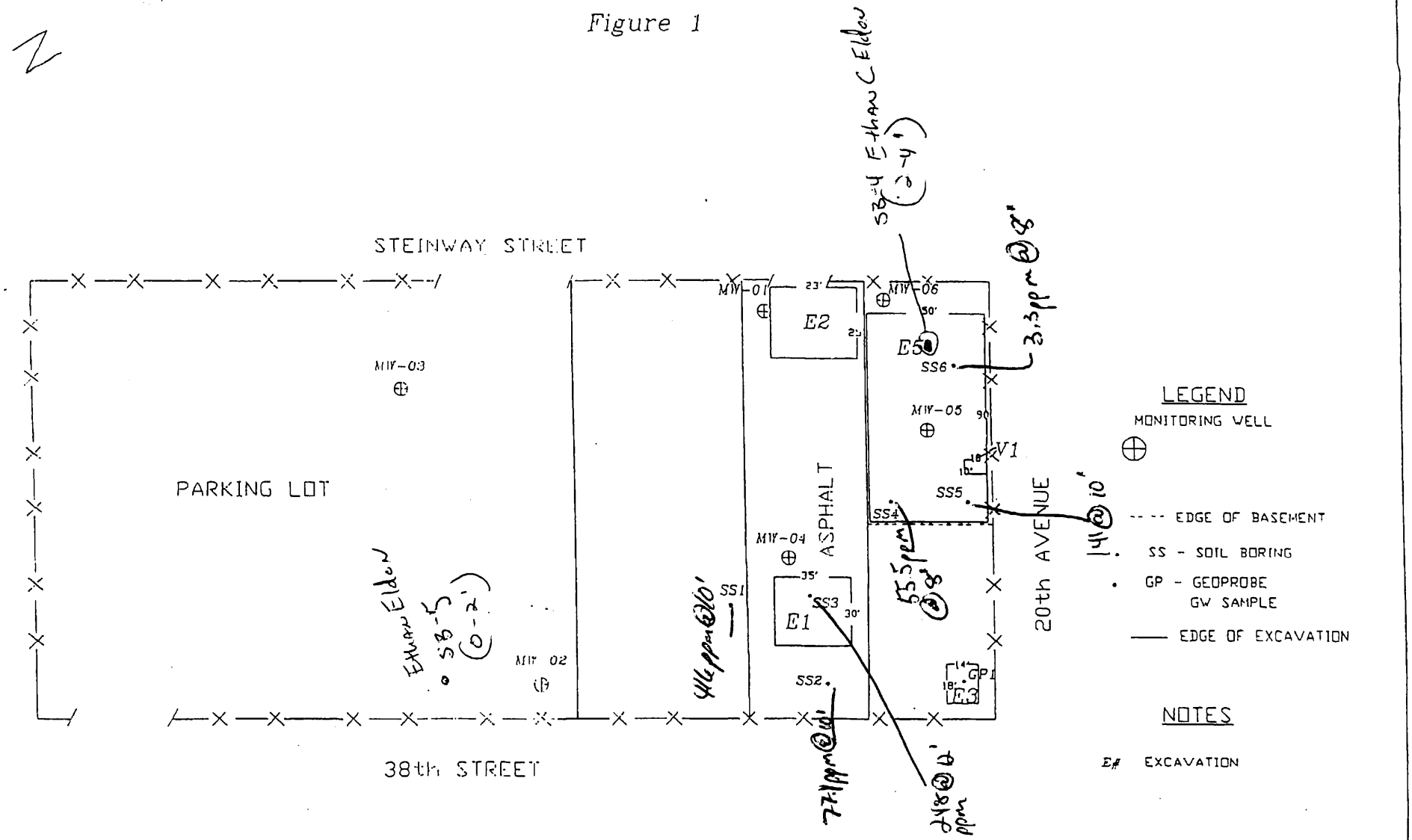

STEINWAY STREET
38th STREET
20th AVENUE
PARKING LOT
ASPHALT
MW-01
MW-02
MW-03
MW-04
MW-05
MW-06
E1
E2
E5
SS1
SS2
SS4
SS5
SS6
V1
LEGEND
MONITORING WELL
EDGE OF BASEMENT
SS - SOIL BORING
GP - GEOPROBE GW SAMPLE
EDGE OF EXCAVATION
NOTES
E# EXCAVATION
Scale:
0 ft.
200 ft.
- Proposed Test Pit
WALDEN ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
3 AUDREY AVENUE
OYSTER BAY, NEW YORK 11771
(516) 624-7200 FAX (516) 624-3219
19-80 STEINWAY STREET
ASTORIA, NEW YORK
SAMPLING LOCATION PLAN
1
SCALE: 1"=80'-0"
JOB NO. AUDIT00496
SHEET 1 OF 1

Figure 1



APPROVED	REVISION

WALDEN ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
3 AUDREY AVENUE
OYSTER BAY, NEW YORK 11771
(516) 624-7200 FAX (516) 624-3219

19-80 STEINWAY STREET
ASTORIA, NEW YORK

DRAWING TITLE: SAMPLING LOCATION PLAN

DRAWING NO. 1

REV. NO.

SCALE: 1"=60'-0"

REVISION DATE:

JOB NO. AUDIT00496

CAD FILE NAME: Site Plan

SHEET 1 OF 1

4.0 INFORMATION FROM HISTORICAL SOURCES

4.1 Interviews

Mr. Dominick Acquista of TTW Realty LLC, site owner, provided information regarding the site. The site has reportedly been owned by TTW Realty LLC for approximately five years (since 2000) during which time it has been vacant land used for parking and storage. He stated that he believed all groundwater monitoring wells were previously removed from the site. Mr. Lorenzo DeVardo of Vardo Construction provided site access. He provided information regarding the tenants that occupy the site. He stated that empty roll off containers are stored on the site and the site is not a waste transfer facility. ECEA was unaccompanied during the site reconnaissance.

4.2 Sanborn Fire Insurance Maps

In order to further document the past uses of the property and its surroundings, ECEA reviewed Sanborn fire insurance maps showing the property and portions of the adjacent properties for the years 1898, 1915, 1936, 1948, 1950, 1967, 1977, 1979, 1981, 1985, 1986, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995 and 1996 (see Appendix A). These maps depict the following history:

Steinway electric Railroad

1898: The subject property consists of approximately 16 lots, many of which are vacant. The north side of the subject property is developed with two one-story buildings identified as car sheds. The southeast corner of the subject property near the intersection of Steinway St. and 20th Ave. is developed with a lamp repairing facility and a one-story storage shed. Four small unidentifiable structures, similar to sheds, are interspersed with the vacant land in the middle portion of the property.

1915-1936: The subject property consists of one large lot, similar to the present. The southeast corner of the subject property is developed is a one-story building at 19-80 Steinway Ave./38-17 20th Ave. (Winthrop Ave.) identified as Steinway Railways Emergency Crew, which contains an office and sleeping quarters. The remainder of the subject property is vacant.

1948-1967: The subject property consists of one large lot, similar to the present. The north side of the subject property is vacant. The south portion of the site is developed with three one-story buildings: a private garage with a capacity for 36 trucks at 1970 Steinway Ave., Steinway Omnibus Corporation shown with three

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Volume 1 of 2

19-73 38th Street
Astoria, NY 11105

Prepared for:

Mr. Dominick Acquista
TTW Realty LLC
c/o Vardo Construction Corporation
18-50 Steinway Street
Astoria, NY 11105

March 16, 2005

Prepared by:

Ethan C. Eldon Associates, Inc.
1350 Broadway
Suite 612
New York, New York 10018
(212) 967-5400

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Appendix A	Sanborn Maps
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Volume 2 of 2

Appendix E	Regulatory Database
Appendix F	Facility Detail Reports
Appendix G	NYSDEC Spill Incidents Database Search Results

1.0 SUMMARY

Ethan C. Eldon Associates, Inc. (ECEA) was contracted by Mr. Dominick Acquista of TTW Realty LLC, to conduct a Phase I Environmental Site Assessment in accordance with the American Society for Testing and Materials (ASTM) Standards E 1527-00, for the subject property / site identified in the New York City tax records as Block 811, Lot 1, Queens County, New York. The street addresses of the subject property are 19-73 38th Street/19-80 Steinway Street/38-17 20th Avenue, Astoria, NY 11105.

The findings of this Phase I Environmental Site Assessment relating to the general condition of the subject property are summarized as follows:

1. The subject property consists of an approximately 60,016 square foot rectangular-shaped vacant previously developed lot. The northern portion of the site is paved with concrete while the central and southern portions of the site are covered with fill material as well as some remnant paved areas with asphalt and concrete. The subject property is divided into five sections by chain link fences. The north portion of the site is unoccupied while the central and southern portions of the site are used for parking and/or the storage of roll off containers by ABC Contracting, Olympic Waste Removal, Vardo Construction, and Steinway Auto. This has reportedly been the site use since 2000 when it was acquired by TTW Realty LLC.

2. Although solid, hazardous, and biohazardous wastes are not generated on site, solid and hazardous wastes appeared to be stored on the site.

   One 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto for parking vehicles to be repaired. The drum was unlabeled and filled with a liquid having a solvent-like odor. Steinway Auto at 20-02 Steinway Street, the adjoining property to the southwest, is a registered small quantity RCRA hazardous waste generator facility with a history of generation and disposal of spent non-halogenated solvents. The drum should be stored at their main facility until it can be disposed in accordance with regulatory requirements.

   Numerous roll off containers for solid waste are stored on the site. The roll off containers for ABC Contracting were identified with hazardous waste transporter identification numbers: NYSDEC 2A-401 and NJDEP 22280.

These roll off containers were empty. The roll off containers for Olympic Waste Removal were identified as containing "Municipal and/or Residual Waste." Some of these roll off containers contained household debris and the others were empty. The roll off containers for Vardo Construction were unlabeled. One of these roll off containers contained dirt and concrete and the others were empty. Mr. Lorenzo DeVardo of Vardo Construction stated that the site is not a waste transfer facility.

3. Sanborn maps indicated that prior use of the site included a bus corporation with a repair shop that was depicted with three buried gasoline tanks in the southeastern portion of the subject property between at least 1948 and 1990. The site structures were demolished in 1991.

4. No evidence of underground or aboveground storage tanks (fill port, vent pipes, etc.) were noted on the subject property.

5. ECEA was provided with prior environmental reports and correspondence with the New York State Department of Environmental Conservation (NYSDEC) prepared by Walden Associates, Inc., as environmental consultants to Schwab Goldberg Price and Dannay between 1996 and 1998. The reports detail investigative and remedial work performed at the site to prepare it for sale including pump out and removal of tanks and other underground structures, soil sampling, soil excavation and off-site disposal, backfilling, installation of monitoring wells, and groundwater sampling.

   As a result of the investigative and remedial work, spill incident no. 9613073 was reported to the NYSDEC on 2/4/1997.

   Soil samples collected and analyzed for Volatile Organic Compounds (VOCs), Semi-VOCs and 8 RCRA Metals showed results slightly exceeding NYSDEC standards at several locations on the site. Groundwater samples collected and analyzed for VOCs, Semi-VOCs and 8 RCRA Metals showed results slightly exceeding New York State Department of Health class GA groundwater standards at several locations on the site.

   Walden concluded that "...groundwater sampling results indicated non-detectable petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures."

The NYSDEC spill closure letter of 5/28/1998 states: "Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. The Department requires no further action to be taken at this site. The spill number assigned to this site will be closed as of this date. Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed. It does not exempt the owner of this property from unforeseen or future environmental problems at this site, directly or indirectly related to the contamination source which initiated this work."

Based on the conclusions in Walden's report and the wording of NYSDEC's spill closure letter, it is ECEA's opinion that it is likely that there is residual soil contamination at the site that may be encountered upon excavation for the proposed new development.

6. No evidence of the presence of monitoring wells was encountered by ECEA. Mr. Dominick Acquista of TTW Realty LLC stated that he believed the groundwater monitoring wells were previously removed.

7. Review of environmental records indicates that the site is a registered petroleum bulk storage facility (2-016020) and has a hazardous materials spill incident (9613073) that was reported on 2/4/1997 and closed by the NYSDEC on 5/28/1998. ECEA recommends that the NYSDEC database be updated by filing a new petroleum bulk storage registration form indicating that the prior underground storage tanks at the site were closed-removed between 2/4/1997 and 2/6/1997.

8. The adjoining properties are mixed uses including warehouse/ manufacturing/industrial buildings, parking lots, auto repair garages, restaurants, residential buildings, and a public recreation area. Review of environmental records has revealed no sites in the vicinity of the property that may pose an environmental concern to the subject property. According to the database, one adjoining site is a Voluntary Cleanup Program site, two adjoining site are registered petroleum bulk storage facilities, four adjoining sites are registered small quantity hazardous waste generator facilities, and two adjoining sites are closed minor spill incident sites.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I Environmental Site Assessment is to identify recognized environmental conditions in connection with the subject property. The purpose of the investigation was to identify potential sources of contamination at the property and to satisfy the "all appropriate inquiry" requirement set forth in Section 9601(35)(B) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The assessment is intended to demonstrate that due diligence has been exercised as outlined by the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-00, and is consistent with good commercial and customary practices.

The Phase I ESA is being performed at the request of the New York City Department of Environmental Protection Office of Environmental Planning and Assessment and the New York City Board of Standards and Appeals because the site is located in a M1-1 zoning district and a bulk and use variance is being requested to redevelop the site with a proposed mixed-use building including residential use, retail use, and community facility use. Future redevelopment is proposed to include soil excavation to a depth of 10 feet below grade for a cellar that will be used for an underground parking garage, accessory health club, storage and mechanical equipment rooms.

2.2 Special Terms and Conditions

The findings and conclusions set forth in this report are based upon information that was available to ECEA during its inspection of the site. If new information becomes available concerning the site after this date, or if the site is used in the future in a manner other than that which is identified in this report, the findings and conclusions contained herein may have to be modified. Additionally, while this investigation was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry, ECEA cannot guarantee that the site is completely free of hazardous substances or other materials or conditions that could subject the owner or fiduciary to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, which was beyond the scope of this investigation.

Ethan C. Eldon Associates, Inc. assumes no responsibility for the property owner's actions in relation to the following:

- Violation of any federal, state or local statute or ordinance relating to identification of a hazardous substance or its constituents;

- Undertaking of, or arrangement for, the handling, removal, treatment, storage, transportation, or disposal of hazardous substances or constituents found or identified; and

- Changed conditions or hazardous substances or constituents introduced at the site by the Client or third person during or after the completion of services described in this report.

2.3 Limitations and Exceptions of Assessment

No materials testing, systems operational testing, remedial investigations or cost estimates have been performed in connection with this assessment. No enclosed spaces were investigated for this report. No regulations, codes or ordinances were reviewed. No systems or components were dismantled or disassembled. The findings contained herein are limited in nature and extent, and may represent only a portion of the possible findings.

2.4 Limiting Conditions and Methodology

The information provided in this report is based on the results of ECEA's site reconnaissance, information obtained through interviews with site personnel and information obtained from regulatory agencies. During the site reconnaissance, the property was visually and physically observed. The interiors of a mobile trailer and a mobile storage container on the site could not be accessed for inspection.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The site is located on the east side of 38th Street, the west side of Steinway Street and the north side of 20th Avenue. The site comprises the southern portion of the block bounded by 38th Street to the west, Steinway Street to the east, 20th Avenue to the south and 19th Avenue to the north, in the Borough of Queens, New York City (see Figure 1). The site is identified in New York City tax records as Block 811, Lot 1, Queens County, New York (see Figure 2). The street addresses of the subject property are 19-73 38th Street/19-80 Steinway Street/38-17 20th Avenue, Astoria, NY 11105.

3.2 Descriptions of Structures or Other Improvements on the Site

The subject property consists of an approximately 60,016 square foot rectangular-shaped vacant previously developed lot. The northern portion of the site is paved with concrete while the central and southern portions of the site are covered with fill material as well as some remnant paved areas with asphalt and concrete.

Although the site is not currently connected to public utilities because there is no site building, the surrounding area is serviced by public utility companies for electricity, potable water supply, and sanitary waste discharge. Electricity is provided by Consolidated Edison Company. Potable water is provided by the New York City Public Water Supply System. Sanitary wastes are discharged to the New York City Public Sewer System. No evidence of wells, cesspools or septic tanks was observed on the subject property.

3.3 Information Regarding Environmental Liens or Specialized Knowledge or Experience

According to Dominick Acquista of TTW Realty, LLC, site owner, there are no environmental liens against the subject property.

3.4 Current Uses of the Property and Adjoining Properties

The subject property is a vacant lot divided into five sections with various occupants (see Figure 3). The north portion of the site is unoccupied. The central west portion of the site is used for parking trucks and the storage of roll off

containers by ABC Contracting. The central east portion of the site is used for parking trucks and the storage of roll off containers by Olympic Waste Removal. The southwest portion of the site is used for parking construction vehicles and the storage of roll off containers by Vardo Construction. The southeast portion of the site is used for parking cars and buses to be repaired by Steinway Auto.

The adjoining properties are mixed uses including warehouse/manufacturing/ industrial buildings, parking lots, auto repair garages, restaurants, residential buildings, and a public recreation area. The properties directly adjoining the site are:

Northeast:	One-story warehouse/manufacturing/industrial building for Carullo Construction Corp. (19-50 Steinway St.).
North:	Parking and storage lot behind the building at 19-50 Steinway St. containing numerous 55-gallon drums.
Northwest:	Parking and storage lot; two-story warehouse/ manufacturing/industrial building for Peniel Church (19-54 38th St.); and a paved public recreation facility (Woodtree Playground).
West:	Three-story residential building (37-22 20th Ave.).
Southwest:	Three-story residential building (20-03 38th St.); three-story mixed use residential/commercial building with Mike's Coffee shop on the ground floor (38-12 20th Ave.); and two one-story auto repair garages for Quality Auto Glass and Steinway Auto (20-02 Steinway St.).
South:	Three-story office/commercial building with Strada Nova Trattoria bar/lounge on the ground floor (20-01 Steinway St.).
Southeast:	One-story auto repair garage for V&B Auto Body and for Anthony's Auto Fixx d.b.a. Richard Ley's Auto Repair with an auto parts store at the corner for Interstate All Battery Center (19-73 and 19-79 Steinway St.), two-story warehouse/manufacturing/industrial building with office space on the second floor for Air Sea Land Productions,

Inc., York Industrial Contractors, and CSM Electric Corp. (19-65 and 19-71 Steinway St.), and a one-story warehouse/ manufacturing/industrial building for Mobility Services Auto Sales (19-57 Steinway St.).

East: One-story warehouse/manufacturing/industrial building for AAA Coffee Equipment Services (19-35 Steinway St.) and truck parking lot for Mystic Transportation, Inc.

buried gasoline tanks in the southeast portion of the site near Steinway Ave., and the prior one-story building in the southeast corner of the subject property at 19-80 Steinway Ave./38-17 20th Ave. (Winthrop Ave.), which is now shown with an addition built on it and identified as being a repair shop. Receiving warehouse 1966?

1977-1986: The subject property appears similar to the 1967 Sanborn map with the exception that a one-story building has been added in the southwest corner of the subject property as an addition to the repair shop and noted as being built in 1974.

1988-1990: The subject property appears similar to the 1986 Sanborn map with the exception that the north side of the subject property that was previously vacant is now identified as being used for bus parking.

1991-1996: All structures have been demolished and the subject property consists of a vacant lot. The prior buried gasoline tanks are no longer shown.

No environmental concerns were shown on the adjoining properties to the north and west of the subject property. The adjoining properties to the south and east of the subject property were not shown on the Sanborn maps reviewed.

4.3 Review of Prior Environmental Reports

ECEA was provided with prior environmental reports and correspondence with the New York State Department of Environmental Conservation (NYSDEC) prepared by Walden Associates, Inc., as environmental consultants to Schwab Goldberg Price and Dannay (see Appendix B). The following documents were provided to and summarized by ECEA:

- Phase I Environmental Site Assessment, 19-80 Steinway Street, August 26, 1996;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Site Investigation and Closure report, April 28, 1997;
- Site Investigation and Closure report, Queensboro Bridge Railway Company, Inc., 19-80 Steinway Street, April 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Proposal for Additional Sampling/Site Closure, July 29, 1997;
- Correspondence to NYSDEC spill case manager, Mark Tibbe, regarding Soil and Groundwater Investigation Work, August 19, 1997;

- Phase II Site Investigation/Site Closure report, 19-80 Steinway Street, Spill #96-13073, December 22, 1997; and
- Correspondence from NYSDEC spill case manager, Mark Tibbe, May 28, 1998 regarding spill closure.

The Phase I report indicates that the former Steinway Omnibus Corporation on the site used the original north garage for bus washing, refueling and heavy engine maintenance and used the west garage, which was an addition built in 1974, for standard bus repairs and maintenance. The bus garages were abandoned in 1988 and demolished in 1991 except for the basements, which remained. The Phase I identified: eight underground storage tanks (USTs) that were improperly abandoned; four tank bed monitoring wells, one of which contained a mixture of diesel fuel and water; at least ten hydraulic lifts underlined by maintenance pits with underground piping systems for oil; and surficially stained pavement.

The Site Investigation and Closure report details investigative and remedial work performed at the site under the oversight of Walden Associates, Inc. to prepare it for sale including: pump out and removal of eight underground storage tanks (USTs) (three 4,000 gallon diesel USTs, which were shown on the Sanborn maps; two 2,000 gallon no. 2 fuel oil USTs; one 2,000 gallon no. 6 fuel oil UST; and two 1,000 gallon hydraulic oil USTs) that were located within three tank beds on the west side of the site by 38th Street, on the east side of the street by Steinway Street, and on the south side of the site by 20th Avenue; cleaning and removal of an oil water separator with a 150 gallon holding tank that was located at the southwest corner of the site by 38th Street and 20th Avenue; draining and removal of 18 hydraulic lifts and piping on the south side of the site by 20th Avenue; demolition of the basement concrete slab of the former structure; collection of post-excavation soil samples; excavation and off-site disposal of 740 cubic yards of concrete and 1,808 cubic yards (1,864 tons) of petroleum contaminated soil; backfilling excavations with clean fill and uncontaminated soil from the site; installation of six monitoring wells; and collection of groundwater samples.

As a result of the investigative and remedial work, spill incident no. 9613073 was reported to the NYSDEC on 2/4/1997. The east and west tank excavations were noted to contain petroleum stained soil, which was reportedly excavated. The most extensive petroleum contamination on the site was noted in fill material and free floating product on the groundwater table within the basement area of the former structure in the south portion of the site, which was reportedly remediated by excavating to 2 feet below the water table until clean soil was observed.

The Phase II Site Investigation/Site Closure report details the additional investigative work that was required by NYSDEC to close the spill incident and demonstrate no further remedial action was necessary.

Ten soil samples were collected on 2/6/1997 and laboratory analyzed for Volatile Organic Compounds (VOCs), Semi-VOCs and 8 RCRA Metals. The results were compared to NYSDEC TAGM Recommended Soil Cleanup Objectives. The soil sample results showed VOCs below standards, Several Semi-VOCs slightly exceeding the standards at one or more locations, and 2 of 8 RCRA Metals (Chromium and Mercury) slightly exceeding standards/background levels at one location each. Six additional soil samples were collected beneath the fill material and above the groundwater table on 10/8/1997 and laboratory analyzed for VOCs and Semi-VOCs. The results were compared to NYSDEC STARS TCLP Alternative Guidance Values. The soil sample results showed several VOCs and Semi-VOCs slightly exceeding the standards at one or more locations.

Three 4"-diameter approximately 20'-deep groundwater monitoring wells (MW1, MW2, MW3) were installed between 9/4/1996 and 9/10/1996, from which groundwater samples were collected on 9/10/1996 and on 2/21/1997. The first round of groundwater samples was laboratory analyzed for a fuel constituent scan and a solvent scan by USEPA methods 8010 and 8020. The second round of groundwater samples was laboratory analyzed for VOCs by USEPA method 8021, Semi-VOCs by USEPA method 8270, and 8 RCRA Metals. Three additional 2"-diameter approximately 16'-deep groundwater monitoring wells (MW4, MW5, MW6) and one additional temporary groundwater sampling point (GP-1) were installed between 10/8/1997 and 10/10/1997, from which groundwater samples were collected on 10/10/1997 and laboratory analyzed for VOCs by USEPA method 8021 and Semi-VOCs by USEPA method 8270. Walden Associates, Inc. reportedly encountered no free floating product in any of the monitoring wells. The results of all groundwater samples were compared to New York State Department of Health (NYSDOH) class GA groundwater standards. The results of all groundwater samples collected from permanent monitoring wells were below standards with the exception of the following VOCs that slightly exceeded the standards: MTBE, Benzene, Xylene, and Napthalene. MTBE was attributed to an off-site source because it is a compound specifically related to gasoline, which there is no indication was stored on the site. The results of the groundwater sample collected from the temporary groundwater sampling point slightly exceeded standards for one or more Semi-VOCs.

Walden concluded that "...groundwater sampling results indicated non-detectable

petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures."

The NYSDEC spill closure letter of May 28, 1998 states: "Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. The Department requires no further action to be taken at this site. The spill number assigned to this site will be closed as of this date. Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed. It does not exempt the owner of this property from unforeseen or future environmental problems at this site, directly or indirectly related to the contamination source which initiated this work."

Based on the conclusions in Walden's report and the wording of NYSDEC's spill closure letter, it is ECEA's opinion that it is likely that there is residual soil contamination at the site that may be encountered upon excavation for the proposed new development.

5.0 INFORMATION FROM SITE RECONNAISSANCE

5.1 Site Reconnaissance

On March 14, 2005, Christine Beaver of ECEA, conducted a site reconnaissance as part of this Phase I Environmental Site Assessment. During the site reconnaissance, the property was visually and physically observed. (See Appendix C for Photographs).

The subject property consists of an approximately 60,016 square foot rectangular-shaped vacant previously developed lot. The site is enclosed by a chain link fence and a building at 19-50 Steinway Street. The subject property is a vacant lot divided into five sections by chain link fences. Access to the site is provided by various gates along 38th Street, 20th Avenue, and Steinway Street. The following observations were made during the site reconnaissance:

North portion of the site
The northern portion of the site was unoccupied. This portion of the site was paved with concrete and there was a concrete curb and an elevated platform along the southern portion.

Central West portion of the site fronting 38th Street
The central west portion of the site was being used for parking trucks and the storage of approximately ten empty roll off containers labeled "ABC Contracting", five empty 500-gallon plastic holding tanks, and wooden pallets (see section 5.5 for additional information). This portion of the site was covered with fill material and paved areas of concrete.

Central East portion of the site fronting Steinway Street
The central east portion of the site was being used for parking trucks labeled "Olympic Waste Removal" and the storage of approximately seven roll off containers labeled "Olympic Waste Removal". Some of the roll off containers contained household debris and the others were empty (see section 5.5 for additional information). This portion of the site also contained a mobile trailer and a mobile storage container that could not be accessed for inspection. This portion of the site was covered with fill material.

Southwest portion of the site at the corner of 38th Street and 20th Avenue
The southwest portion of the site was being used for parking construction vehicles

and the storage of five roll off containers by Vardo Construction. One of the roll off containers contained dirt and concrete and the others were empty. This portion of the site was covered with fill material and remnant paved areas of asphalt and concrete. Minor household debris was littering the northeast corner of this portion of the site.

Southeast portion of the site at the corner of Steinway Street and 20th Avenue
The southeastern portion of the site was being used for parking cars and buses to be repaired by Steinway Auto. This portion of the site was covered with fill material and remnant paved areas of asphalt. Some tires and a 55-gallon drum were also stored in this portion of the site (see section 5.2 for additional information).

No signs of distressed vegetation were observed at the site. No stained soil or petroleum or chemical odors were noted at the site. No evidence of wells, cesspools or septic tanks was observed at the site.

5.2 Hazardous Substance and Unidentified Substance Containers

One 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto. The drum was unlabeled and filled with a liquid having a solvent-like odor. There was no evidence of leaks or spills in the vicinity of the drum (see section 5.5 for additional information.

Cars, trucks, and construction vehicles stored on the site are motor vehicles with small tanks that may contain gasoline, diesel fuel, and hydraulic oil. There was no evidence of leaks or spills in the vicinity of the motor vehicles.

No other hazardous or unidentified substance containers were observed during the site visit.

5.3 Storage Tanks

No evidence of underground or aboveground storage tanks (fill port, vent pipes, etc.) were noted on the subject property.

5.4 PCBs

Polychlorinated Biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers, light ballasts, electrical panels or other similar

equipment. No PCB-containing equipment was observed at the site.

5.5 Solid Waste Disposal and Hazardous/Biohazardous Waste Disposal

No evidence of solid, hazardous, or biohazardous waste generation was observed during the site inspection.

Numerous roll off containers for solid waste were stored on the site. The roll off containers for ABC Contracting were identified with hazardous waste transporter identification numbers: NYSDEC 2A-401 and NJDEP 22280. The roll off containers for Olympic Waste Removal were identified as containing "Municipal and/or Residual Waste." The roll off containers for Vardo Construction were unlabeled.

As discussed in section 5.2 one 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto. The drum was unlabeled and filled with a liquid having a solvent-like odor. As discussed in section 7.2.3, Steinway Auto at 20-02 Steinway Street, the adjoining property to the southwest, is a registered small quantity RCRA hazardous waste generator facility with a history of generation and disposal of spent non-halogenated solvents.

5.6 Radon

The New York State Department of Health maintains statistics on radon gas levels in New York State by County. As of July 2004, 429 sites have been tested for radon gas to date in Queens County. These tests yielded an average radon concentration of 1.2 picocuries per liter (pCi/L). This value is below the USEPA action level of 4.0 pCi/L. Therefore, it is not likely that radon gas poses a significant environmental hazard to the subject property.

6.0 PHYSICAL SETTING ANALYSIS

6.1 Geology and Hydrogeology of the Surrounding Area

The property is located in the central northern portion of Queens County. The area surrounding the property is classified as urban land, meaning that greater than 80 percent of the land surface is covered by structures and/or pavement.

The surface of the subject site is relatively flat. The elevation of the site is approximately 20 feet above mean sea level based on the USGS topographic map (Central Park Quadrangle).

Based on ECEA's review of the October 10, 1997 groundwater elevations collected from six on-site monitoring wells by Walden Associates, Inc., the depth to groundwater at the site is approximately 7.6-8.79 feet below grade and the groundwater flow direction in the vicinity of the site is to the north/northeast.

The site is underlain by deposits of glacial debris called till and outwash. The glacial till is a poorly sorted mixture of boulders, cobbles, gravel, sand and clay deposited by continental ice sheets. The outwash materials consist of well-sorted layers of sand, silt and gravel derived from the glacial till. The outwash was transported and deposited by streams of melt water fed by receding glaciers at the close of the last Ice Age.

The glacial materials, deposited during the Pleistocene Epoch, have variable permeability and are host to a hydrogeologic unit known as the Upper Glacial Aquifer. The Pleistocene deposits are underlain by older unconsolidated materials of Cretaceous age. Some layers of these sediments are moderately to highly permeable and contain large quantities of groundwater. They include the geologic units that host the principal aquifers beneath Long Island; namely, the Magothy Formation and the Lloyd Sand Member of the Raritan Formation. The Cretaceous deposits rest on relatively impermeable crystalline bedrock of Late Precambrian and Early Paleozoic age.

The use of groundwater for public water supply in Queens has largely been discontinued due to salt water intrusion (caused by over-pumping of the aquifers), and other factors that have contributed to the degradation of water quality. Most of Queens currently receives potable water from the New York City Public Water Supply System, which is connected to upstate reservoirs.

7.0 RECORDS REVIEW

The purpose of the records review for the property is to obtain and review records that will help identify recognized environmental conditions in connection with the property. The records reviewed pertain not just to the subject property, but also to surrounding properties within ASTM-designated search distances. This information is gathered from reasonably ascertainable standard sources. The sources reviewed and the information obtained is provided below.

7.1 Freedom of Information Requests

Freedom of information requests were filed with the New York State Department of Environmental Conservation (NYSDEC), the New York City Department of Environmental Protection (NYCDEP), and the New York City Fire Department (FDNY) for the subject property. Information was requested concerning records of underground and aboveground storage tanks, hazardous waste storage, spills, violations and environmental liens on the property. Appendix D provides copies of our requests. No responses from these agencies have been received to date. If we receive a response that contains environmentally significant information, a letter will be forwarded providing the information as a supplement to this report.

7.2 Federal Environmental Databases

ECEA reviewed federal environmental databases (see Appendix E) to identify sites of known contamination in the vicinity of the subject site. The results are provided below.

7.2.1 National Priorities List Sites

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

ASTM standards require the reporting of NPL sites within a one-mile radius of the subject property, including the subject property. A review of the December 2004 NPL revealed that there are no NPL sites listed within a one-mile radius of the subject property.

7.2.2 CERCLA Sites

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation by the USEPA of sites which have been investigated for a release of hazardous substances under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

ASTM standards require the reporting of CERCLA sites within a half-mile radius of the subject property, including the subject property. ASTM standards also require the reporting of CERCLA sites for which No Further Remedial Action is Planned (NFRAP) on the subject property and adjoining sites. A review of the December 2004 CERCLIS database indicated that there are no CERCLA sites listed within a half-mile radius of the subject property and no CERCELA-NFRAP sites adjoining the subject property.

7.2.3 Hazardous Waste Handlers

RCRIS TSD - Resource Conservation Recovery Information System - Treatment, Storage and Disposal:

The USEPA Office of Solid Waste and Emergency Response produces the Resource Conservation and Recovery Information System list of treatment, storage and disposal (TSD) facilities. The report contains information concerning facilities tracked by the RCRA Administrative Action Tracking System (RAATS) that either treat, store or dispose of hazardous waste.

ASTM standards require the reporting of RCRA TSD facilities within a half-mile radius of the subject property, including the subject property. A review of the November 2004 update of the database indicated that there is one TSD site listed within a half-mile radius of the subject property. The following site was identified:

CHEMICAL WASTE DISPOSAL CORP./
CHEMICAL SOLVENTS DISTILLERS CO.
42-14 19TH AVENUE
ASTORIA, NY
Location: 1/8-1/4 mile east
USEPA ID: NYD077444263/NYD042775338

The site is also known as Triumvarate Environmental LLC. Facility detail reports

(Appendix F) indicate that the facility treated, stored or disposed of large quantities of hazardous wastes, which it accepted from other facilities (such as laboratories), including the following: ignitable hazardous waste, corrosive hazardous waste, chromium, lead, mercury, selenium, silver, benzene, methyl ethyl ketone, trichloroethylene, spent halogenated solvents, spent non-halogenated solvents, dibutyl esterdibutyl phthalate, ethylene oxide, formaldehyde, hydrogen sulfide, and toluene diisocyanate. The facility also reportedly handled PCBs and spent cyanide plating bath solutions from electroplating operations. The database indicates that there are 51 RCRA violations reported at this site. The site is also identified in the Correction Action Report. Since this site is neither physically adjoining nor appears to be situated hydraulically upgradient of the subject property, it is unlikely to pose an environmental concern to the subject property.

RCRIS HWG - Resource Conservation Recovery Information System Hazardous Waste Generators

The USEPA Office of Solid Waste and Emergency Response produces the Resource Conservation and Recovery Information System list of small quantity and large quantity hazardous waste generators. The report contains information pertaining to facilities tracked by RAATS that either generate more than 100 kg of hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act.

ASTM standards require the reporting of RCRIS hazardous waste generators on the subject property and adjoining sites. According to the August 2004 update of the database, four adjoining properties were identified as registered hazardous waste generator facilities. The following sites were identified:

YORK INDUSTRIAL CONTRACTORS
19-71 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile east
USEPA ID: NYD0000145623

19-71 Steinway Street, the adjoining property to the southeast, is a registered small quantity RCRA hazardous waste generator facility. Although the facility is permitted to generate hazardous waste, there is no record of hazardous waste activity. The database indicates that no RCRA violations exist for the facility.

STEINWAY AUTO SALES
20-02 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile south
USEPA ID: NYD000702605

20-02 Steinway Street, the adjoining property to the southwest, is a registered small quantity RCRA hazardous waste generator facility. A facility detail report (Appendix F) indicates that the facility generated and disposed of one container of spent non-halogenated solvents in October 2004. The database indicates that no RCRA violations exist for the facility. The site is also identified as a registered tank site.

MYSTIC TRANSPORATION INC.
19-39 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile east/northeast
USEPA ID: NYD980646293

19-39 Steinway Street, the adjoining property to the east, is a registered small quantity RCRA hazardous waste generator facility. A facility detail report (Appendix F) indicates that although the facility is permitted to generate hazardous waste, there is no record of hazardous waste activity. The database indicates that no RCRA violations exist for the facility. The site is also identified as a Voluntary Cleanup Program site and a registered tank site.

DISPLAY STUDIOS INC.
19-35 STEINWAY STREET
LONG ISLAND CITY, NY
Location: <1/8 mile east/northeast
USEPA ID: NYD001230754

19-35 Steinway Street, the adjoining property to the east, is a registered small quantity RCRA hazardous waste generator facility. A facility detail report (Appendix F) indicates that the facility generated and disposed of one metal drum of spent non-halogenated solvents in September 1990. The database indicates that no RCRA violations exist for the facility.

Based on the regulatory status (no RCRA violations) of all four sites, two sites having no record of hazardous waste activity, and two sites having one-time

generations of hazardous wastes, it is unlikely that these adjoining registered hazardous waste generators would pose an environmental concern to the subject property.

CORRACTS - Corrective Action Report

The Corrective Action Report is a list prepared by the USEPA of hazardous waste handlers with RCRA violations and corrective action activity.

ASTM standards require the reporting of CORRACTS sites listed within a one-mile radius of the subject property, including the subject property. A review of the September 2004 update of the database indicated that there are two CORRACTS sites listed within a one-mile radius of the subject property. The following sites were identified:

CHEMICAL WASTE DISPOSAL CORP./
CHEMICAL SOLVENTS DISTILLERS CO.
42-14 19TH AVENUE
ASTORIA, NY
Location: 1/8-1/4 mile east
USEPA ID: NYD077444263/NYD042775338

A facility detail report (Appendix F) indicates that as of 9/30/2003 it has been verified that human exposures are expected to be under control at the facility.

ASTORIA CENTRAL TREATMENT FACILITY/CON EDISON
20TH AVENUE AND 21ST STREET
ASTORIA, NY
Location: ½-1 mile northwest
USEPA ID: NYD980593636

A facility detail report (Appendix F) indicates that the facility treated, stored or disposed of large quantities of hazardous wastes, including the following: ignitable hazardous waste, corrosive hazardous waste, cadmium, chromium, lead, mercury, silver, benzene, and 1,1,1, trichloro-methyl chloroform. The facility also reportedly handled PCBs and spent non-halogenated solvents. The database indicates that there are 9 RCRA violations reported at this site. As of 8/4/1994 a remedial feasibility investigation workplan has been approved for the site.

Since these two sites are neither physically adjoining nor appear to be situated

hydraulically upgradient of the subject property, both are unlikely to pose an environmental concern to the subject property.

7.2.4 Emergency Response Notification System

The USEPA Office of Solid Waste and Emergency Response compiles the Emergency Response Notification System (ERNS), which is a national computer database system used to store information on the sudden and/or accidental release of hazardous substances, including the spill location, the substance released and the responsible party.

ASTM standards require the review of the ERNS database for the subject property only. According to the December 2003 ERNS report, there is no listing for the subject property.

7.3 New York State Environmental Databases

ECEA reviewed New York State environmental databases (see Appendix E) to identify sites of known contamination in the vicinity of the subject site. The results are provided below.

7.3.1 Inactive Hazardous Waste Disposal Sites

The New York State Department of Environmental Conservation (NYSDEC) is responsible for the investigation, monitoring and cleanup of hazardous waste sites in New York State. State hazardous waste sites are the state equivalent to CERCLIS. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.

ASTM standards require the reporting of Inactive Hazardous Waste Sites listed within a half-mile radius of the subject property, including the subject property. A review of the April 2003 report indicated that there are no inactive hazardous waste sites listed within a half-mile radius of the subject property.

7.3.2 Voluntary Cleanup Program Sites

The NYSDEC publishes a list of contaminated sites that use private money to remediate the site to levels allowing for its productive use.

ASTM standards require the reporting of Voluntary Cleanup Program Sites within

a half-mile radius of the subject property, including the subject property. A review of the directory of December 2004 indicated there are two Voluntary Cleanup Program Sites listed within a half-mile radius of the subject property, one of which was listed in the Orphan Summary but is known to be an adjoining property to the east. The following sites were identified:

CON EDISON – ASTORIA GAS WORKS
MANUFACTURED GAS PLANT
31-01 20TH AVENUE
LONG ISLAND CITY, NY
Location: ¼-1/2 mile northwest
Facility ID: V00561

MYSTIC TRANSPORATION INC.
19-39 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile east/northeast
Facility ID: V00320

No additional information was provided in the database or facility detail report (Appendix F) regarding the contamination at these sites. Therefore, it is unlikely that these VCP sites would pose an environmental concern to the subject property.

7.3.3 Solid Waste Facilities

SWF/LF - Solid Waste Facility/Landfill

The NYSDEC publishes a list of Solid Waste Facilities, which include landfills, incinerators, transfer stations and other sites that manage solid wastes, known as the Solid Waste Facility Directory.

ASTM standards require the reporting of State Solid Waste Facilities within a half-mile radius of the subject property, including the subject property. A review of the directory of November 2004 indicated there are six Solid Waste Facilities listed within a half-mile radius of the subject property. The following sites were identified:

E.B. SALVAGE INC.
19-02 38TH STREET
ASTORIA, NY
Location: 1/8-1/4 mile north/northeast

The database indicates that the facility is an inactive regulated transfer station and its authorization expired in 1987.

WELSBACH CORP.
19-49 42ND STREET
LONG ISLAND CITY, NY
Location: 1/8-1/4 mile east/southeast

The database indicates that the facility is an inactive regulated transfer station.

CARULLO CONSTRUCTION CORP.
18-71 43RD STREET
ASTORIA, NY
Location: ¼-1/2 mile east

The database indicates that the facility is an inactive registered construction and demolition debris processing facility.

J.B. WASTE OIL COMPANY INC.
18-18 41ST STREET
ASTORIA, NY
Location: ¼-1/2 mile east/northeast

The database indicates that the facility is an active waste oil storage, reprocessing or refining facility and its authorization expired in 1997.

SWIFT SANITATION/IMPAC HAULAGE CORP.
18-30 43RD STREET
ASTORIA, NY
Location: ¼-1/2 mile east/northeast

The database indicates that the Swift Sanitation facility is an inactive regulated transfer station and the Impac Haulage Corp. facility is both an inactive regulated transfer station and an inactive registered construction and demolition debris processing facility.

METRO CONTRACTING (JAY DEE)
18-13 42ND STREET
ASTORIA, NY
Location: ¼-1/2 mile east/northeast

The database indicates that the facility is an inactive regulated transfer station.

Based on the currently inactive status, since no violations were reported, and none of these sites are physically adjoining or appear to be situated hydraulically upgradient of the subject property, it is unlikely that these SWF sites would pose an environmental concern to the subject property.

7.3.4 State Tanks List

The NYSDEC maintains a database that lists registered Underground Storage Tanks (USTs) and Aboveground Storage Tanks (ASTs). ASTM standards require reviewing this list for the subject property and adjoining sites.

PBS - Petroleum Bulk Storage

The PBS database lists facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. A review of the directory of January 2002 indicated that the subject property is a registered petroleum bulk storage facility (PBS id: 2-016020) and two adjoining sites are registered petroleum bulk storage facilities.

Queensboro Bridge Railway Co./Steinway Transit Corp. is the registered petroleum bulk storage facility that is on record at the site. A facility detail report (Appendix F) indicates that the following 11 tanks are registered as being in service and permitted until 10/29/1992: two 2,000 gallon underground storage tanks (USTs) containing no. 1, 2 or 4 fuel oil (heating oil), five 550 gallon USTs containing "other" contents, one 1,100 gallon UST containing "other" contents, and three 4,000 gallon USTs containing no. 1, 2, or 4 fuel oil (heating oil). Additional information is provided in Section 4.3 (Prior Environmental Reports).

The following two adjoining properties were identified as registered PBS sites:

20-02 STEINWAY SERVICE CENTER
20-02 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile south
PBS ID: 2-350265

20-02 Steinway Street is the adjoining property to the southwest. A facility detail report (Appendix F) indicates that the following eight tanks were removed from the site on 3/1/1993: four 550 gallon diesel USTs and four 550 gallon unleaded gasoline UST.

MYSTIC TRANSPORTATION INC.
19-39 STEINWAY STREET
ASTORIA, NY
Location: <1/8 mile east/northeast
PBS ID: 2-601824

19-39 Steinway Street is the adjoining property to the east. A facility detail report (Appendix F) indicates that the following four tanks are registered as being in service and permitted until 4/28/1994: one 2,000 gallon UST for no. 1, 2 or 4 fuel oil (heating oil), which was installed 6/1/1985; two 4,000 gallon diesel USTs, which were installed 4/1/1995, and one 2,000 gallon Aboveground Storage Tank (AST) for no. 1, 2 or 4 fuel oil (heating oil). The following six tanks were removed from the site: two 2,000 gallon USTs containing unleaded gasoline, one 2,000 gallon UST for no. 1, 2 or 4 fuel oil (heating oil), two 1,000 gallon USTs for "other" contents, and one 550 gallon UST for lubricating oil. These six USTs were installed on 2/1/1971 and removed on 4/1/1994.

CBS - Chemical Bulk Storage

The CBS database lists facilities that store regulated hazardous substances in tanks of any size. A review of the directory of January 2002 indicated that neither the subject property nor adjoining properties are identified as a chemical bulk storage facility.

MOSF - Major Oil Storage Facility

The MOSF database lists onshore facilities or vessels with petroleum storage capacities of 400,000 gallons or greater. A review of the directory of January 2002 indicated that neither the subject property nor adjoining properties are identified as

a major oil storage facility.

7.3.5 State Spills Database

The NYSDEC provides a database of spills of petroleum products and other hazardous materials reported to their department. This database contains information on active and inactive spills from both stationary and non-stationary sources, including Leaking Storage Tanks (LTANKS), and spills from minor sources such as motor vehicle accidents and the like (NY SPILLS).

ASTM standards require the review of LTANK spills that occurred within a half-mile radius of the subject property. A review of the November 2004 report indicated that there were 56 LTANKS spills within a half mile of the subject property reported to the NYSDEC and 4 NY SPILLS within an eighth mile of the subject property reported to the NYSDEC. One of the NY SPILLS occurred at the subject property and two of the NY SPILLS occurred on adjoining properties.

A facility detail report (Appendix F) indicates that Spill no 9613073 occurred at the subject property. The spill was reported on 2/4/1997 by the contractor or environmental consultant that removed the underground storage tanks from the old bus company facility and found contamination at that time. The spill was reportedly a diesel fuel spill that occurred on land. The spill incident was closed on 5/28/1998. Additional information is provided in Section 4.3 (Prior Environmental Reports).

A facility detail report (Appendix F) indicates that Spill no. 9402716 occurred at Steinway St. & 20th Avenue, the adjoining intersection to the south. The spill was reported on 5/25/1994 when a tank truck was leaking unknown petroleum from its back end along the pavement in the road. The spill incident was cleaned up and closed on the same date.

A facility detail report (Appendix F) indicates that Spill no. 0001555 occurred at Con Edison manhole 2358 located at Steinway St. & 20th Avenue, the adjoining intersection to the south. The spill was reported on 5/8/2000 when less than 1 gallon of unknown oil was found on 15 gallons of water. The spill incident was cleaned up and closed on 9/21/2001.

The approximate numbers of other spills within specified distance intervals from the property are as follows:

	Distance Interval from Property	Number of Spills
NY SPILLS:	0 - 1/8 mi.	1 (closed)
LTANKS:	0 - 1/8 mi.	2 (closed)
	1/8 - 1/4 mi.	5 (4 closed, 1 active)
	1/4 - 1/2 mi.	49 (37 closed, 12 active)

An "active" spill is defined by the NYSDEC as a spill that has not been cleaned up and/or for which the associated paperwork is not complete. A "closed" spill is listed as cleaned up, investigation closed, which indicates that the spill has been resolved to the satisfaction of the NYSDEC. The more current status on the spills provided in the EDR database report was researched by Ethan C. Eldon Associates, Inc. through a review of the NYSDEC Spill Incidents Database Search on January 31, 2005 (see Appendix G).

Details of the 9 active LTANKS that occurred within one half mile of the subject property are as follows:

Spill No.	Address	Distance/Direction	Cause/Effect of Spill
0208215	19-01 Steinway St.	1/8-1/4 mile NE	Tank test failure, diesel, on land
9808496/ 9808497	31-01 20th Ave.	¼-1/2 NW	Tank failure, kerosene, 1 gal., on land
9801213	31-01 20th Ave.	¼-1/2 mile NW	Tank overfill, unk. oil, 5 gals., on land
9700391	31-01 20th Ave.	¼-1/2 mile NW	Tank test failure, wastewater, on land
9614453	17-10 Steinway St.	¼-1/2 mile NE	Tank failure, #6 fuel oil, affected groundwater
9906940	43-01 Berrian Blvd.	¼-1/2 mile E	Tank failure, diesel, on land
9608290	43-01 Berrian Blvd.	¼-1/2 mile E	Tank test failure, #2 fuel oil, on land
9006940	56-02 19th Ave.	¼-1/2 mile SE	Tank test failure, gasoline, on land

Active LTANKS spills that occurred on properties in close proximity (affecting either land or groundwater) or on hydraulically upgradient properties (affecting groundwater) have the potential to cause adverse environmental impacts on the subject property.

One spill (Spill no. 9614453) is indicated to have affected groundwater, but does not appear to be situated hydraulically upgradient of the subject property (based on the direction of groundwater flow to the north/northeast as determine from the USGS topographic map and review of prior environmental reports by Walden Associates, Inc.). The remaining spills either occurred at the surface (affecting land) and/or appear to be situated hydraulically downgradient with respect to the subject property. Therefore, it is unlikely that the contaminants from these spills could migrate to the subject property and cause adverse environmental impacts on the subject property.

8.0 FINDINGS AND CONCLUSIONS

8.1 Findings

The findings of this Phase I Environmental Site Assessment relating to the general condition of the subject property are summarized as follows:

1. The subject property consists of an approximately 60,016 square foot rectangular-shaped vacant previously developed lot. The northern portion of the site is paved with concrete while the central and southern portions of the site are covered with fill material as well as some remnant paved areas with asphalt and concrete. The subject property is divided into five sections by chain link fences. The north portion of the site is unoccupied while the central and southern portions of the site are used for parking and/or the storage of roll off containers by ABC Contracting, Olympic Waste Removal, Vardo Construction, and Steinway Auto. This has reportedly been the site use since 2000 when it was acquired by TTW Realty LLC.

2. Although solid, hazardous, and biohazardous wastes are not generated on site, solid and hazardous wastes appeared to be stored on the site.

   One 55-gallon metal drum was observed in the southeast corner of the site in the portion occupied by Steinway Auto for parking vehicles to be repaired. The drum was unlabeled and filled with a liquid having a solvent-like odor. Steinway Auto at 20-02 Steinway Street, the adjoining property to the southwest, is a registered small quantity RCRA hazardous waste generator facility with a history of generation and disposal of spent non-halogenated solvents.

   Numerous roll off containers for solid waste are stored on the site. The roll off containers for ABC Contracting were identified with hazardous waste transporter identification numbers: NYSDEC 2A-401 and NJDEP 22280. These roll off containers were empty. The roll off containers for Olympic Waste Removal were identified as containing "Municipal and/or Residual Waste." Some of these roll off containers contained household debris and the others were empty. The roll off containers for Vardo Construction were not labeled. One of these roll off containers contained dirt and concrete and the others were empty. Mr. Lorenzo DeVardo of Vardo Construction stated that the site is not a waste transfer facility.

3. Historical Sanborn maps indicated that prior use of the site included a bus corporation with a repair shop that was depicted with three buried gasoline tanks in the southeastern portion of the subject property between at least 1948 and 1990. The site structures were demolished in 1991.

4. No evidence of underground or aboveground storage tanks (fill port, vent pipes, etc.) were noted on the subject property.

5. ECEA was provided with prior environmental reports and correspondence with the New York State Department of Environmental Conservation (NYSDEC) prepared by Walden Associates, Inc., as environmental consultants to Schwab Goldberg Price and Dannay between 1996 and 1998. The reports detail investigative and remedial work performed at the site to prepare it for sale including pump out and removal of tanks and other underground structures, soil sampling, soil excavation and off-site disposal, backfilling, installation of monitoring wells, and groundwater sampling.

   As a result of the investigative and remedial work, spill incident no. 9613073 was reported to the NYSDEC on 2/4/1997.

   Soil samples collected and analyzed for Volatile Organic Compounds (VOCs), Semi-VOCs and 8 RCRA Metals showed results slightly exceeding NYSDEC standards at several locations on the site. Groundwater samples collected and analyzed for VOCs, Semi-VOCs and 8 RCRA Metals showed results slightly exceeding New York State Department of Health class GA groundwater standards at several locations on the site.

   Walden concluded that "...groundwater sampling results indicated non-detectable petroleum constituents and slightly elevated soil sampling results which are located beneath a minimum of 8 feet of recently imported fill. This fill cap provides an extensive barrier to potential exposures."

   The NYSDEC spill closure letter of 5/28/1998 states: "Upon review of the file for the above referenced site, it is the feeling of this Department that the results of the investigations show no significant petroleum contamination of the ground or waters of the State of New York. Any remaining contamination does not pose a threat and should biodegrade naturally. The work performed by your contractors was done in a satisfactory manner and meets all Departmental requirements. The Department requires no further

action to be taken at this site. The spill number assigned to this site will be closed as of this date. Please be advised that this letter is to serve only as an approval of the nature and extent of the work performed. It does not exempt the owner of this property from unforeseen or future environmental problems at this site, directly or indirectly related to the contamination source which initiated this work."

6. No evidence of the presence of monitoring wells was encountered by ECEA. Mr. Dominick Acquista of TTW Realty LLC stated that he believed the groundwater monitoring wells were previously removed.

7. Review of environmental records indicates that the site is a registered petroleum bulk storage facility (2-016020) and has a hazardous materials spill incident (9613073) that was reported on 2/4/1997 and closed by the NYSDEC on 5/28/1998.

8. The adjoining properties are mixed uses including warehouse/ manufacturing/industrial buildings, parking lots, auto repair garages, restaurants, residential buildings, and a public recreation area. Review of environmental records has revealed no sites in the vicinity of the property that may pose an environmental concern to the subject property. According to the database, one adjoining site is a Voluntary Cleanup Program site, two adjoining site are registered petroleum bulk storage facilities, four adjoining sites are registered small quantity hazardous waste generator facilities, and two adjoining sites are closed minor spill incident sites.

8.2 Conclusions

ECEA performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 of the property in New York City tax records as Block 811, Lot 1, Queens County, New York. Any exceptions to or deletions from this practice are described in Section 2 of this report.

This assessment has revealed no evidence of recognized environmental conditions with the exception of the following:

Based on the conclusions in Walden's report and the wording of NYSDEC's spill closure letter, it is ECEA's opinion that it is likely that there is residual soil contamination at the site that may be encountered upon excavation for the

proposed new development.

ECEA recommends that the NYSDEC database be updated by filing a new petroleum bulk storage registration form indicating that the prior underground storage tanks at the site were closed-removed between 2/4/1997 and 2/6/1997.

ECEA recommends that the 55-gallon drum belonging to Steinway Auto Sales, a registered hazardous waste generator facility, be stored at their main facility instead of on the portion of the subject site that they are occupying for parking vehicles, until it can be disposed in accordance with regulatory requirements.

9.0 DISCLAIMER

Under no circumstance is any liability of ECEA to exceed the amount of the fee paid for this report.

10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Ethan C. Eldon Associates, Inc.

Investigator

Christine Beaver Date 3/16/05

Christine Beaver
Senior Environmental Scientist

Reviewer

Ethan C. Eldon Date 3/16/05

Ethan C. Eldon
President

11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

CHRISTINE BEAVER

Professional Experience:

Christine Beaver has eight years of experience as an Environmental Scientist and Consultant. Her professional experience includes inspecting hundreds of properties, preparing Phase I Environmental Site Assessment reports, performing asbestos surveys, conducting soil and groundwater investigations, interacting with state and local environmental regulatory agencies in New York and New Jersey, and preparing remedial investigation reports and remedial action work plans. She has prepared Phase I Environmental Site Assessment reports for banks, property owners, and engineers/architects for various properties located throughout the Boroughs of New York City; Nassau, Suffolk and Westchester Counties; New Jersey; Connecticut and Pennsylvania. Her Phase I Environmental Site Assessment experience includes a broad range of property types including industrial/manufacturing facility, warehouse, machine shop, drycleaner, photographer, printing shop, auto repair garage/maintenance facility, gasoline station, railroad station, railroad yard, marina, medical and dental office building, retail stores, parking area, vacant lot, undeveloped land, and residential properties.

Education:

B.S. in Environmental Sciences and Resource Management
Lehigh University, Bethlehem, PA

Specialized Training:

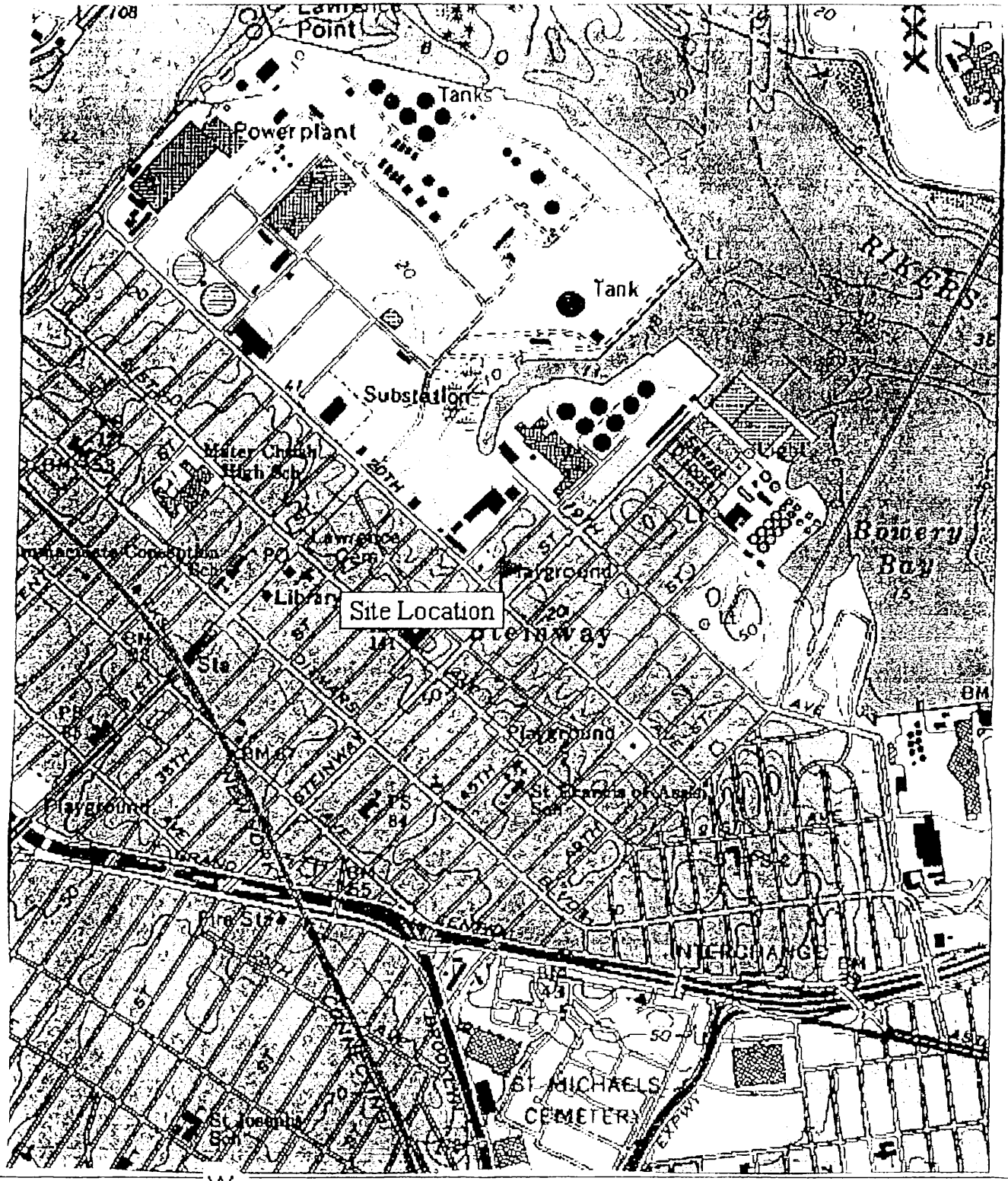
EDR, Inc. Due Diligence at Dawn seminar
The ASTM E 1527 Standard for the New Millennium

Relevant Professional Certificates:

EPA-NYS AHERA Asbestos Inspector
OSHA Hazardous Waste Operations and Emergency Response Supervisor

Client Reference:

JP Morgan Chase, Construction and Environmental Services, New York, NY



Source:
USGS Topographic Map
Central Park Quadrangle

Figure 1
Site Location Map

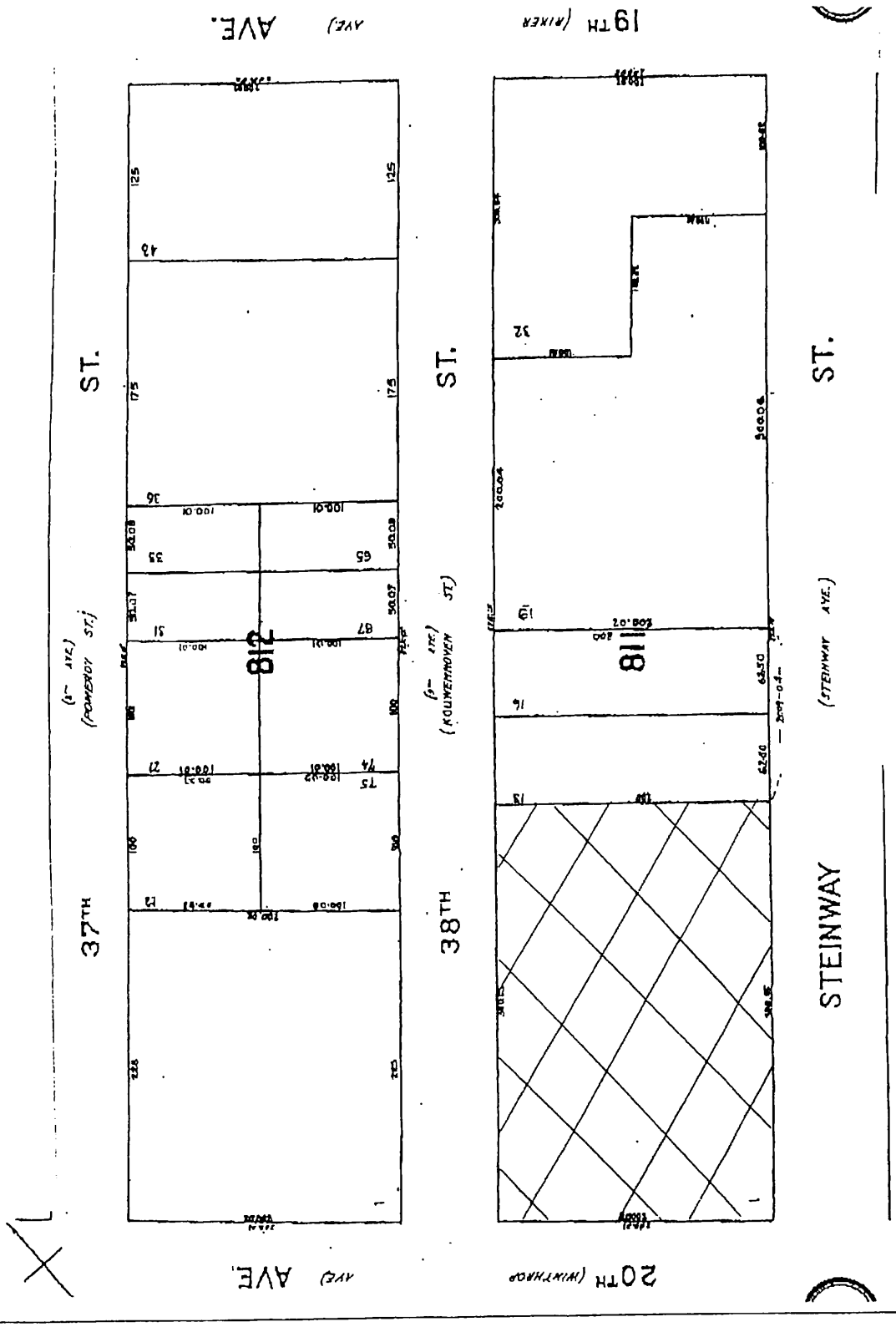


Figure 2
Tax Map

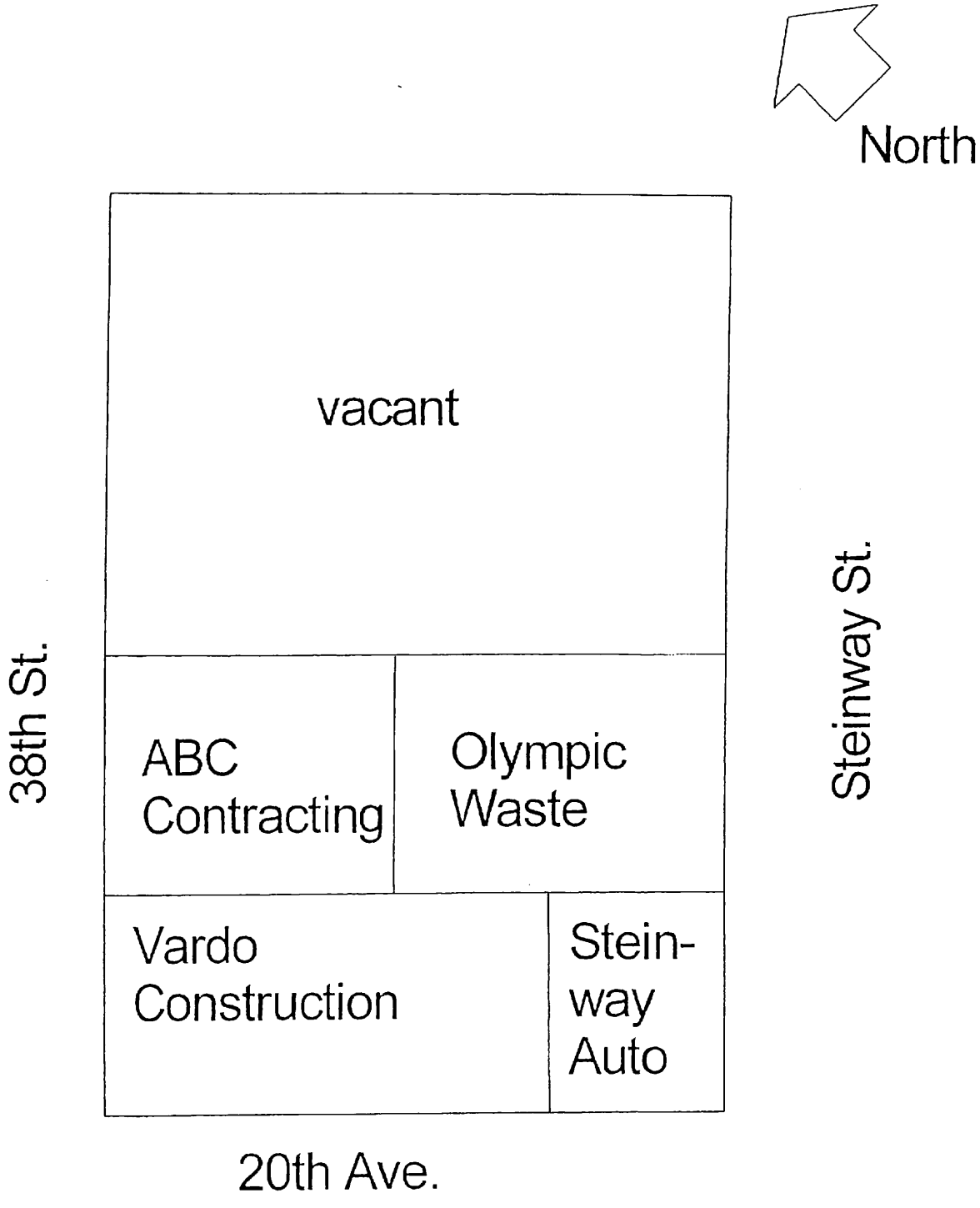


Figure 3 - Site Layout
19-73 38th St./
19-80 Steinway St./
38-17 20th Ave.

APPENDIX A
Sanborn Maps

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Christine Beaver
Ethan C. Eldon Associates,Inc.
1350 Broadway
Suite 612
New York, NY 11553

Customer Project: caliendo
6012577GIL 516-229-2325

Order Date: 2/11/2005 **Completion Date:** 2/14/2005
Inquiry #: 1359606.2S
P.O. #: NA
Site Name: Vacant
Address: 1973 38th Street
City/State: Astoria, NY 11105
Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1898 - 1 - map	1981 - 1 - map	1993 - 1 - map
1915 - 1 - map	1985 - 1 - map	1994 - 1 - map
1936 - 1 - map	1986 - 1 - map	1995 - 1 - map
1948 - 1 - map	1988 - 1 - map	1996 - 1 - map
1950 - 1 - map	1989 - 1 - map	
1967 - 1 - map	1990 - 1 - map	
1977 - 1 - map	1991 - 1 - map	
1979 - 1 - map	1992 - 1 - map	

Total Maps: 20

Limited Permission to Photocopy

Ethan C. Eldon Associates,Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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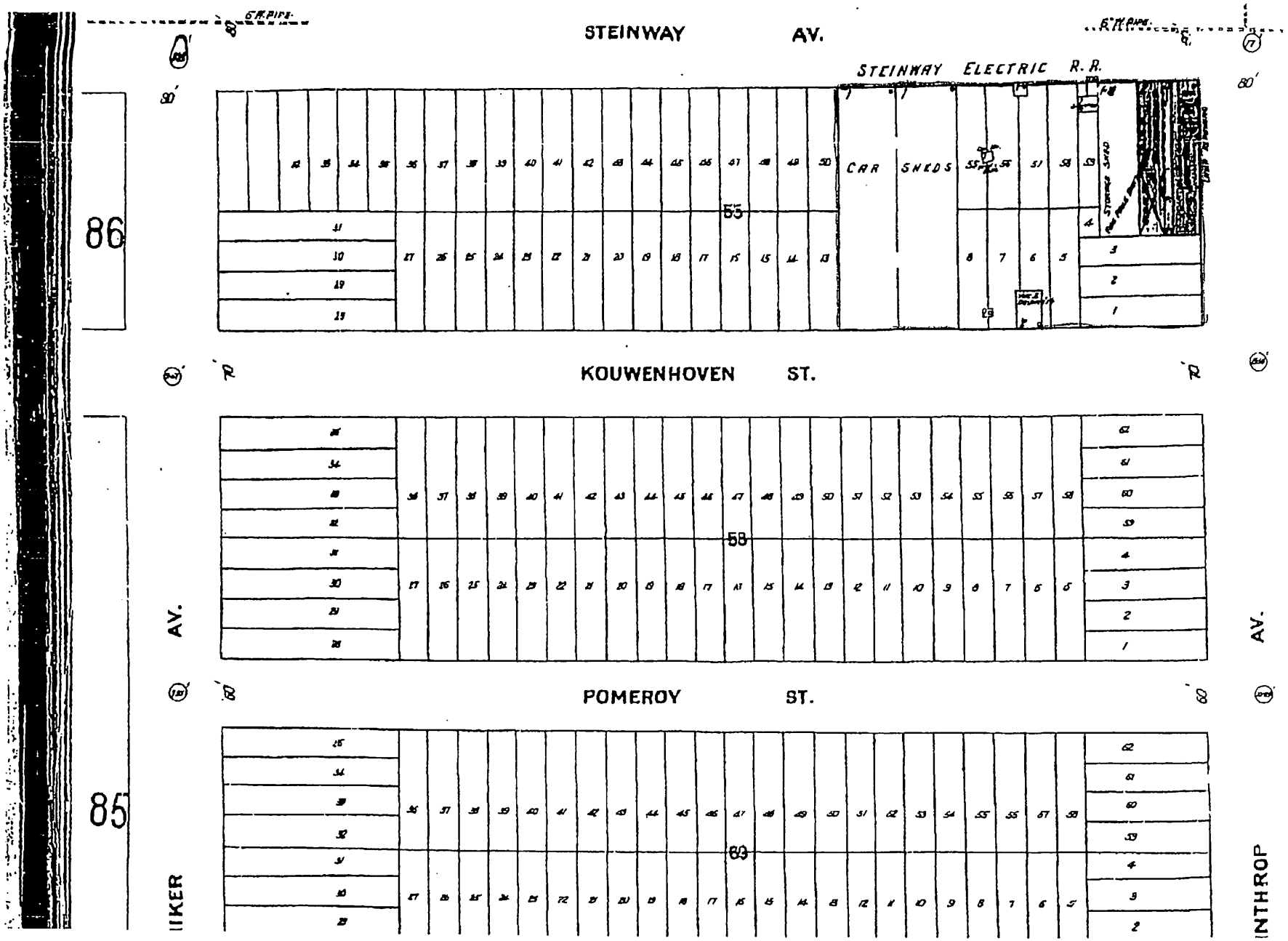
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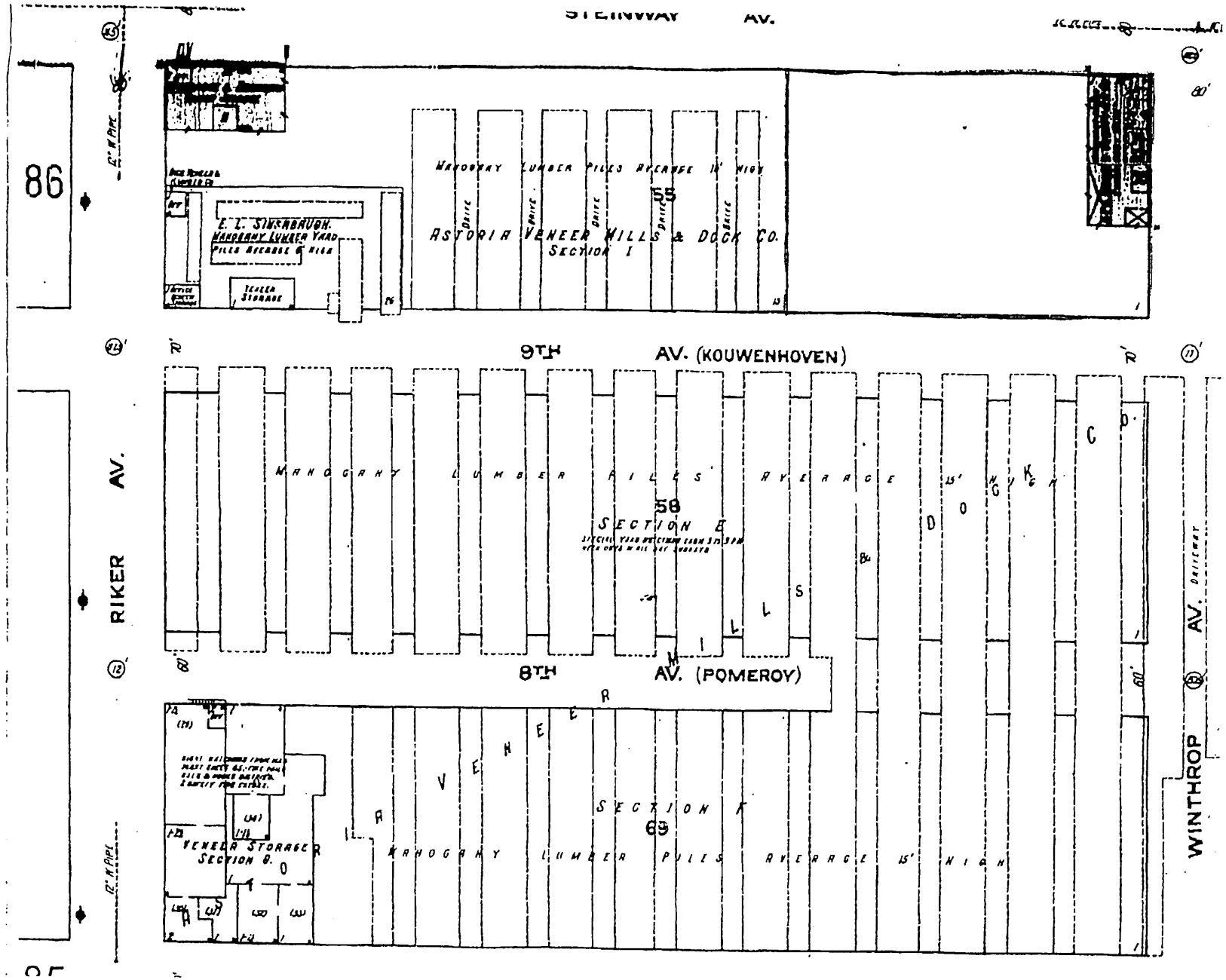
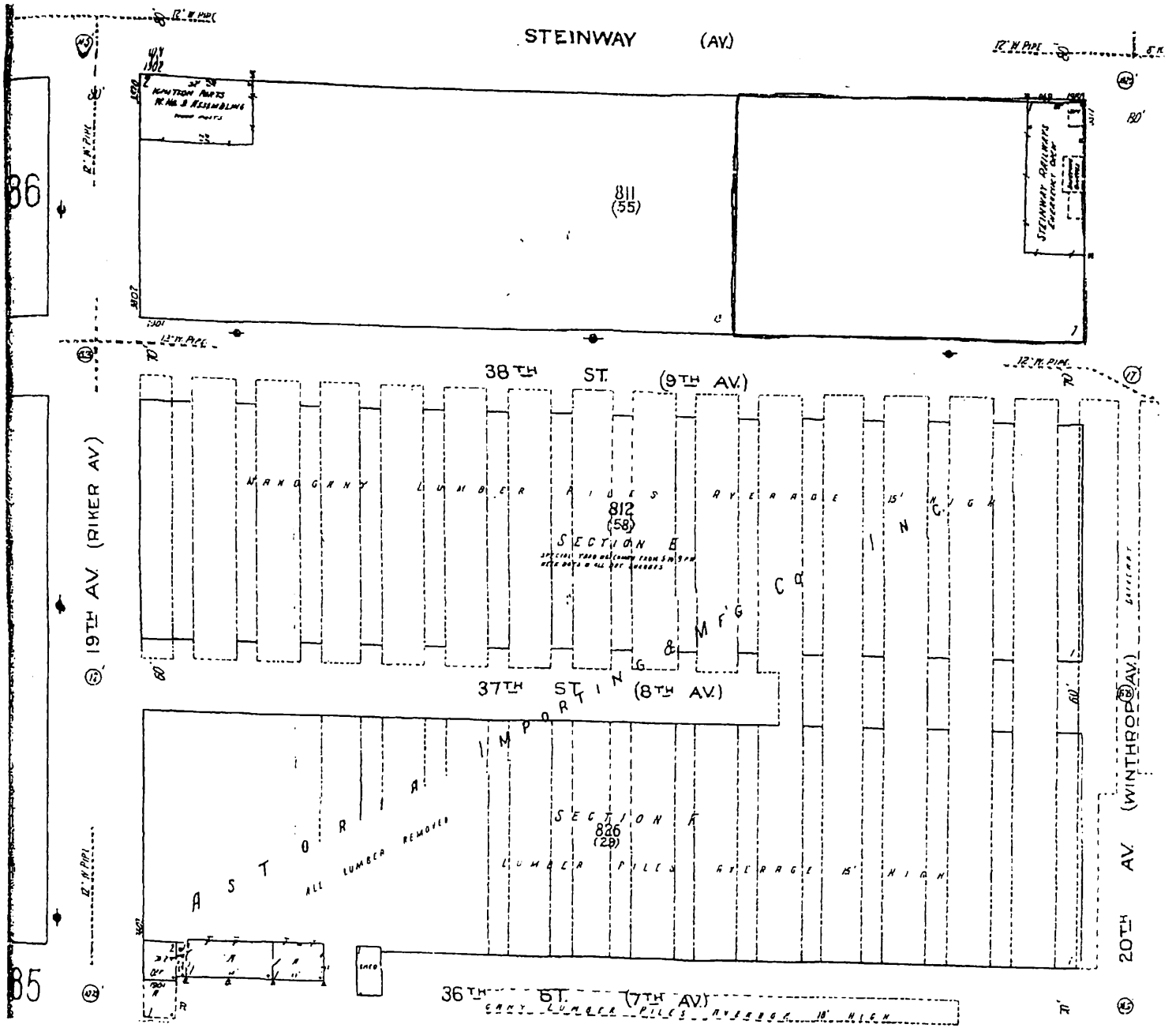
STEINWAY ELECTRIC R. R.
CAR SHEDS
86
KOUWENHOVEN ST.
AV.
POMEROY ST.
85
IKER
INTHROP


STEINWAY AV.
86
12" W. PIPE
E. L. SIMONBRUGH.
MAHOGANY LUMBER YARD
PILES AVERAGE 6' HIGH
VENEER STORAGE
MAHOGANY LUMBER PILES AVERAGE 12' HIGH
ASTORIA VENEER MILLS & DOCK CO.
SECTION I
55
DRIVE
9TH AV. (KOUWENHOVEN)
RIKER AV.
MAHOGANY LUMBER PILES AVERAGE 15' HIGH
SECTION E
58
8TH AV. (POMEROY)
VENEER
SECTION K
65
VENEER STORAGE
SECTION B.
MAHOGANY LUMBER PILES AVERAGE 15' HIGH
WINTHROP AV.
DRIVEWAY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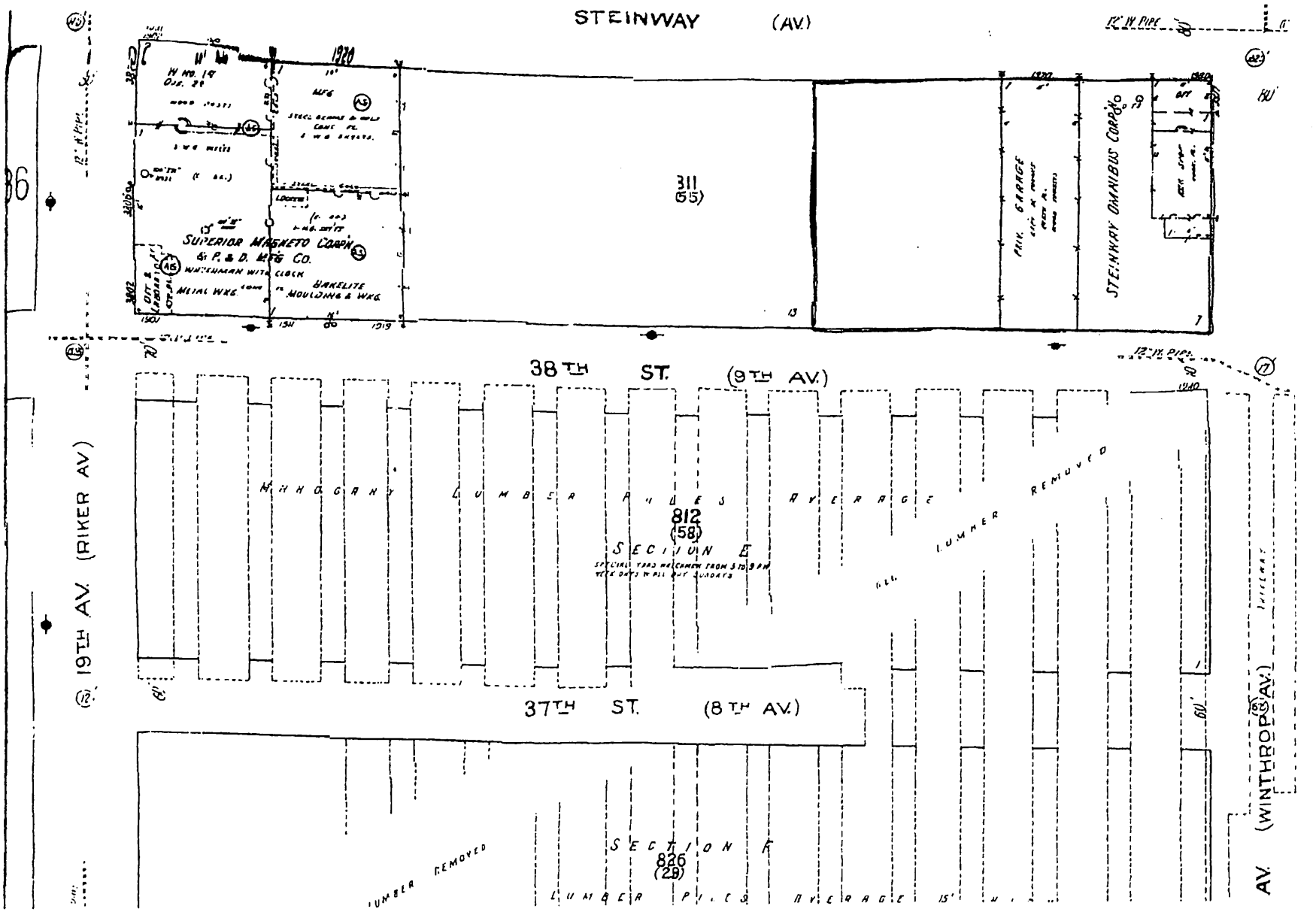
811
(55)
38TH ST. (9TH AV.)
MAHOGANY LUMBER PILES AVERAGE 15' HIGH
812
(58)
SECTION B
37TH ST. (8TH AV.)
ASTORIA IMP. & MFG. CO.
ALL LUMBER REMOVED
SECTION A
826
(29)
LUMBER PILES AVERAGE 15' HIGH
36TH ST. (7TH AV.)
19TH AV. (RIKER AV.)
20TH AV. (WINTHROP AV.)
86
85

1940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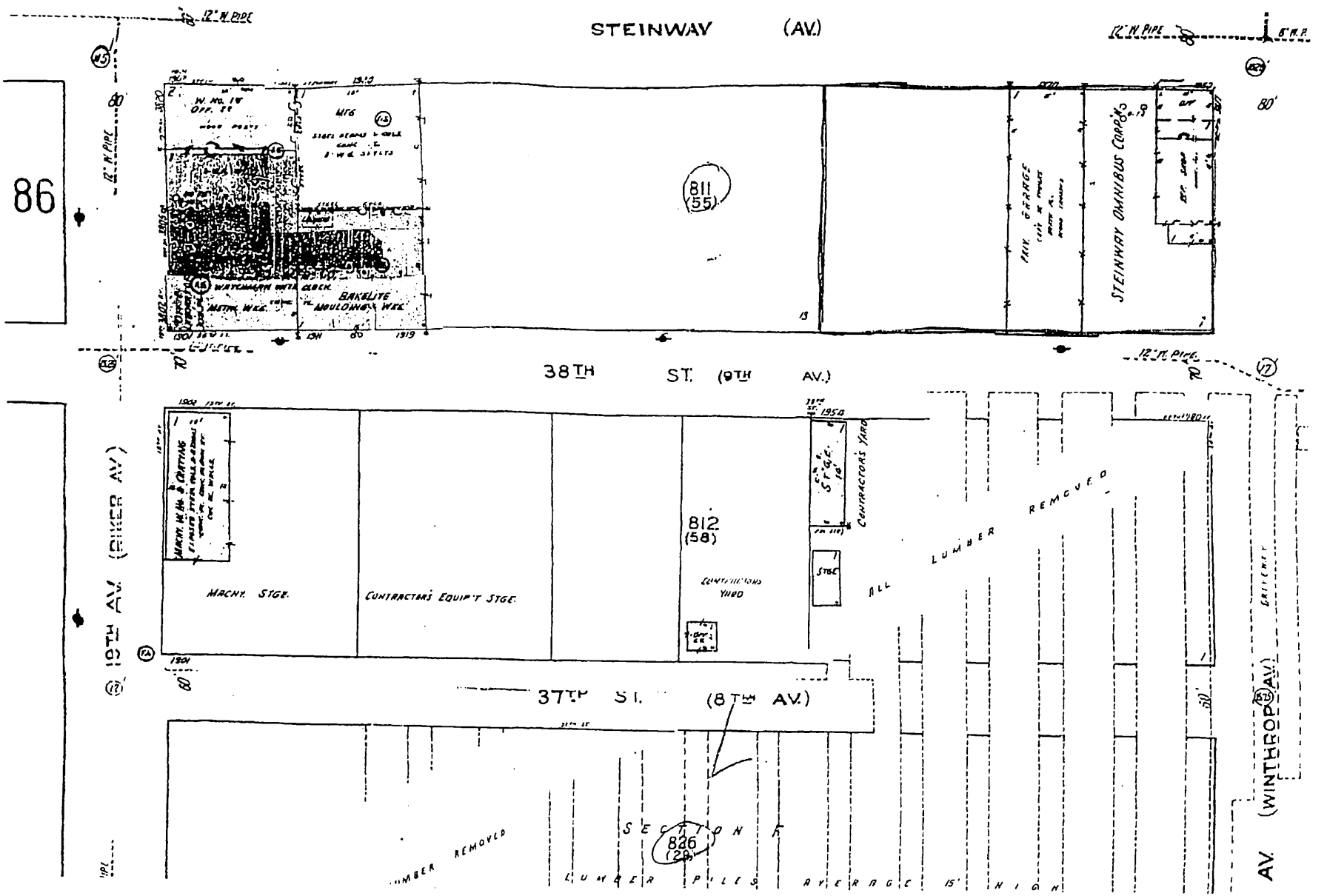
12" W. PIPE
1920
W. HO. 19
DIV. 29
MFG
STEEL BEDS & WOOD CONC. PL.
SUPERIOR MAGNETO CORP'N
G. P. & D. MFG CO.
WATCHMAN WITH CLOCK
METAL WKS.
BAKELITE MOULDING & WKS.
311
(55)
PRIV. GARAGE
STEINWAY OMNIBUS CORP'N
38TH ST. (9TH AV.)
MAHOGANY LUMBER PILES AVERAGE
812
(58)
SECTION E
SPECIAL YARD MERCHANT FROM 5 TO 8 PM
WEEK DAYS WILL NOT SUNDAYS
LUMBER REMOVED
19TH AV. (RIKER AV.)
37TH ST. (8TH AV.)
SECTION F
826
(28)
LUMBER PILES AVERAGE 15'
AV. (WINTHROP AV.)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86
811
(55)
STEINWAY OMNIBUS CORP'N
38TH ST. (9TH AV.)
19TH AV. (RIKER AV.)
MACHY. STGE.
CONTRACTORS EQUIP'T STGE.
812
(58)
CONTRACTOR'S YARD
STGE.
LUMBER REMOVED
37TH ST. (8TH AV.)
SECTION F
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LUMBER PILES AVERAGE 15' HIGH
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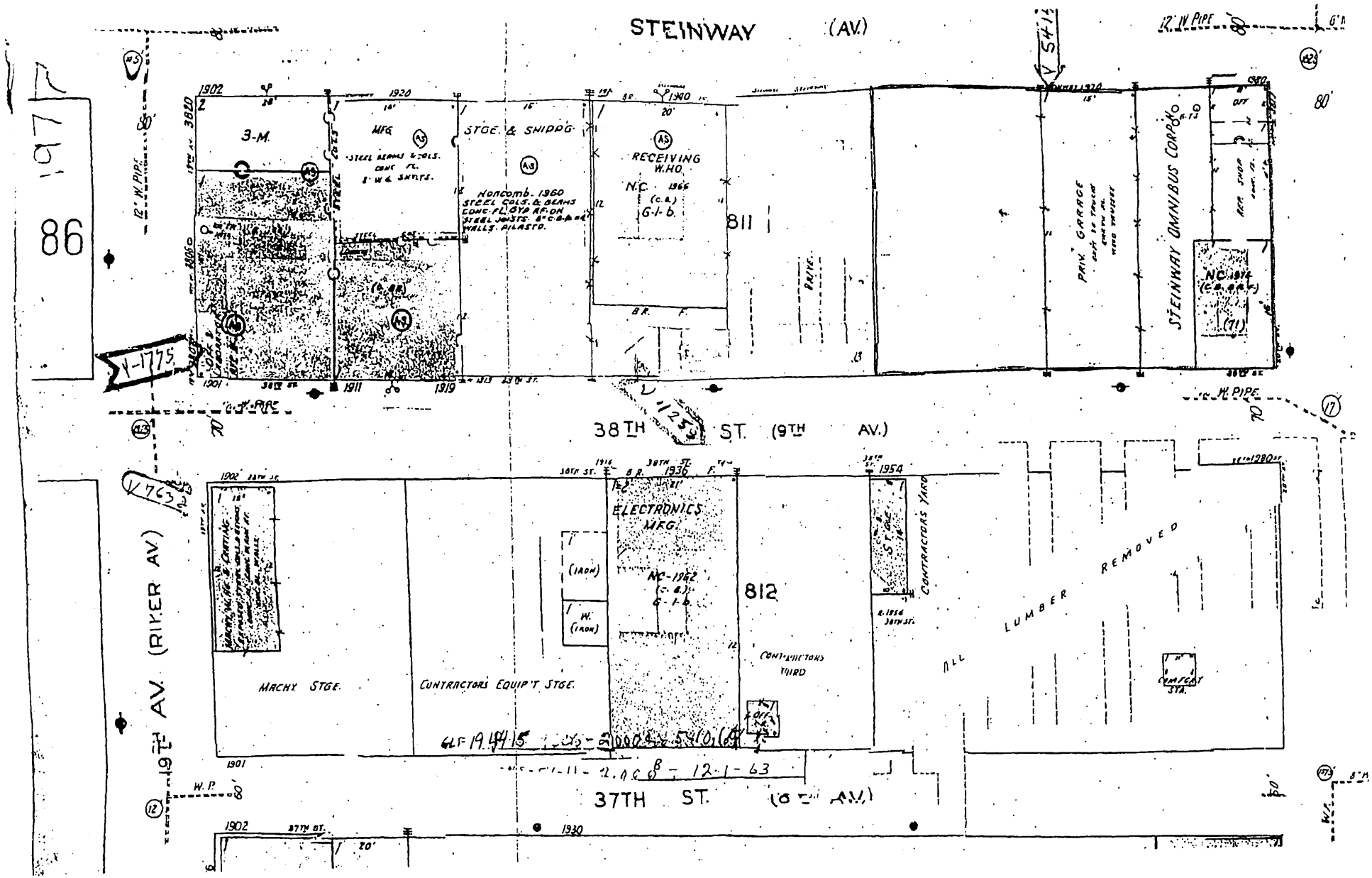
DRIVEWAY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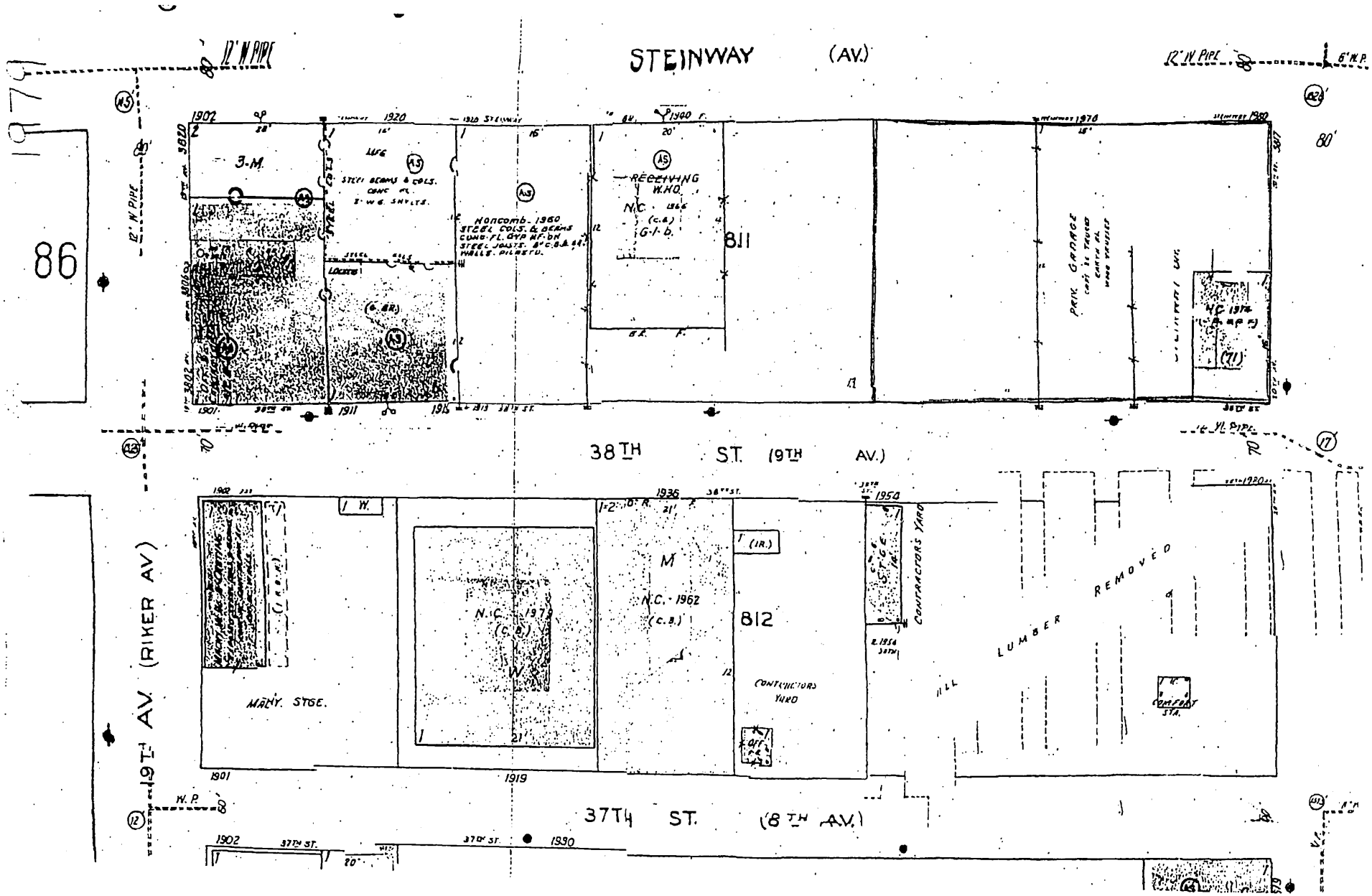
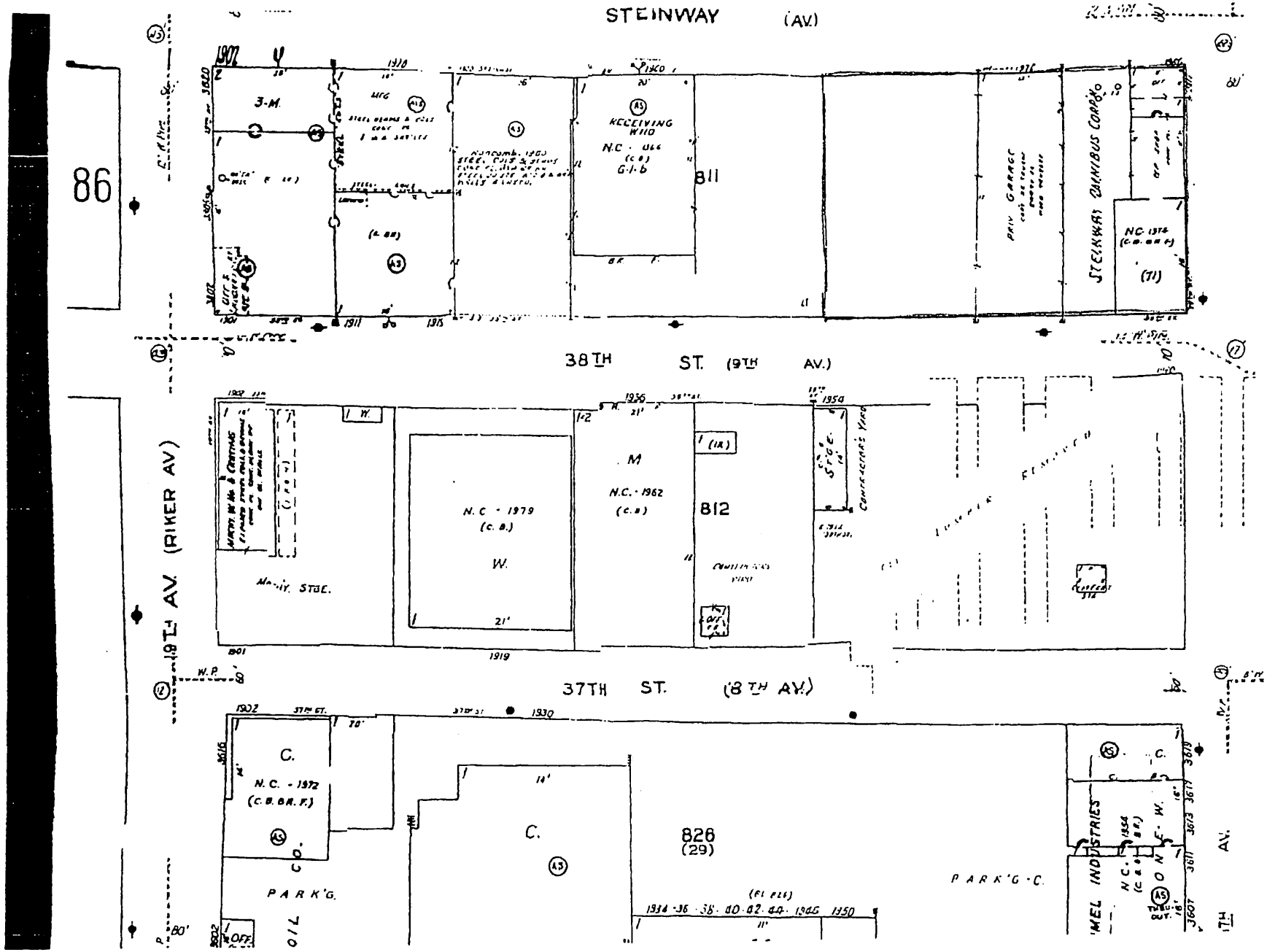
38TH ST. (9TH AV.)
37TH ST. (9TH AV.)
19TH AV. (RIKER AV.)
3-M.
MFG.
STGE. & SHIPPG.
RECEIVING W.HO.
N.C. 1966
G-1-b.
811
PARK. GARAGE
STEINWAY OMNIBUS CORP.
N.C. 1974
(71)
ELECTRONICS MFG.
N.C. 1962
G-1-b.
812
MACHY. STGE.
CONTRACTORS EQUIP'T. STGE.
CONTRACTORS YARD
LUMBER REMOVED
12" W. PIPE
V-1775
V-1253
V-763
V-5412
86
1977


STEINWAY (AV.)
12" W. PIPE
6" W.P.
86
3-M.
STEEL BEAMS & COLS.
CONC. FL.
T.W.G. SHV.LTS.
MONCOMB. 1960
STEEL COLS. & BEAMS
CONC. FL. GYP. RF. DK
STEEL JOISTS. B.C.B.
WALLS. PILASTED.
RECEIVING
W.HO.
N.C.
G.I.b.
811
PRIV. GARAGE
N.C. 1976
(71)
38TH ST. (19TH AV.)
19TH AV. (RIKER AV)
MAINT. STGE.
N.C. 1972
(C.B.)
M
N.C. 1962
(C.B.)
812
CONTRACTORS YARD
CONTRACTORS YARD
LUMBER REMOVED
37TH ST. (18TH AV.)
37TH ST.

1931


STEINWAY (AV.)
86
3-M.
RECEIVING WHSE
N.C. - 1966
(C.B.)
G.I.B.
811
DRIV. GARAGE
STEINWAY OMNIBUS CORP.
N.C. 1974
(71)
38TH ST. (9TH AV.)
N.C. - 1979
(C.B.)
W.
M
N.C. - 1962
(C.B.)
812
STAGE
CONVENIENCE YARD
MUNIC. STGE.
18TH AV. (RIKER AV.)
37TH ST. (8TH AV.)
C.
N.C. - 1972
(C.B.B.R.F.)
PARK'G.
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826
(29)
PARK'G.C.
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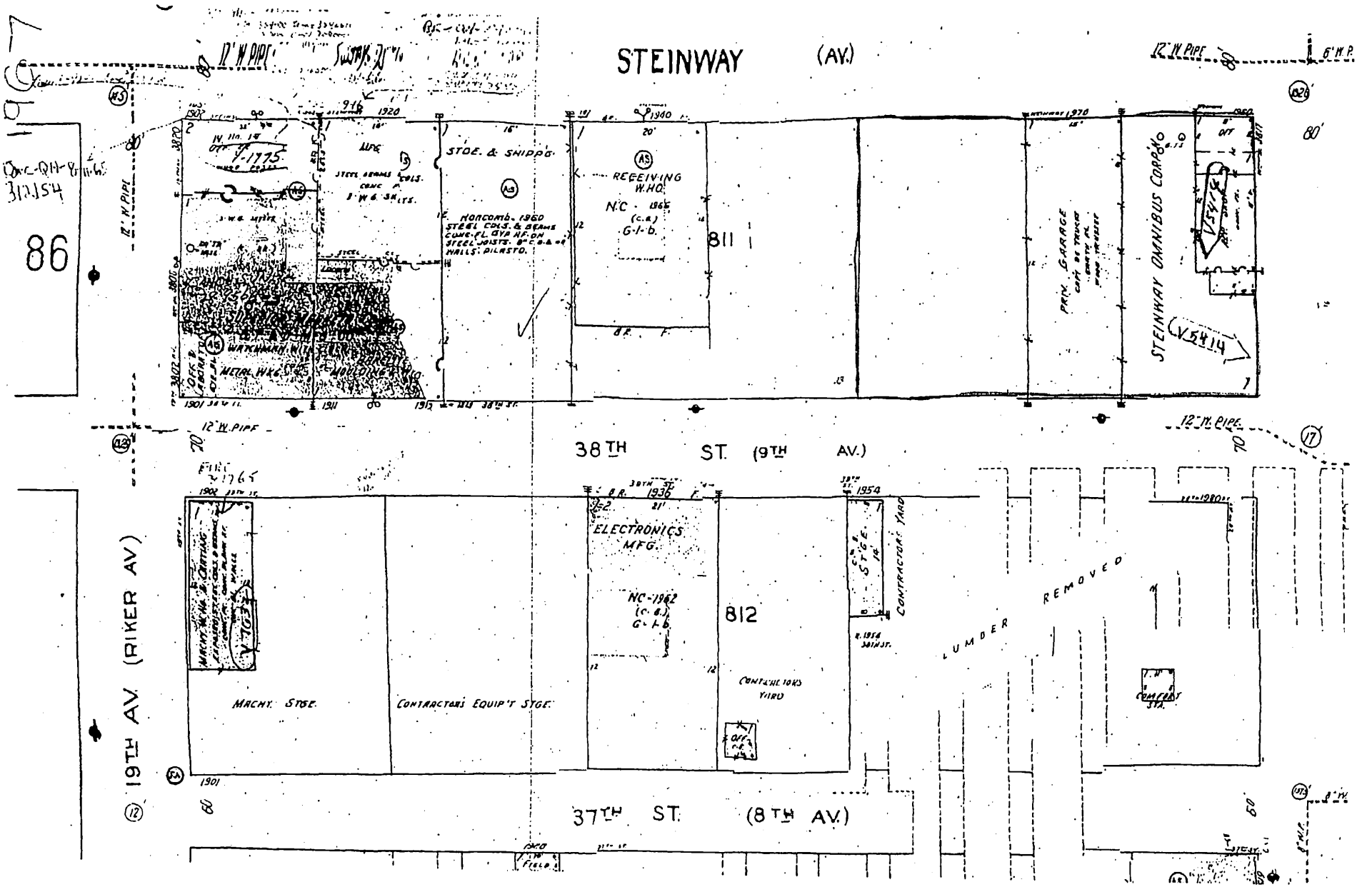
N.C.
(C.B.)
F.W.
8TH AV.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19TH AV. (RIKER AV)
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811
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G-1-b.
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STEEL JOISTS. 8" C.B. & 8" HALLS. PILRSTD.
METAL WKG. STGE.
WATCHMAN W.H.
HOLDING W.HO.
PRIV. GARAGE
STEINWAY OMNIBUS CORP.
ELECTRONICS MFG.
NC-1962
(c.a.)
G-1-b.
CONTRACTOR'S YARD
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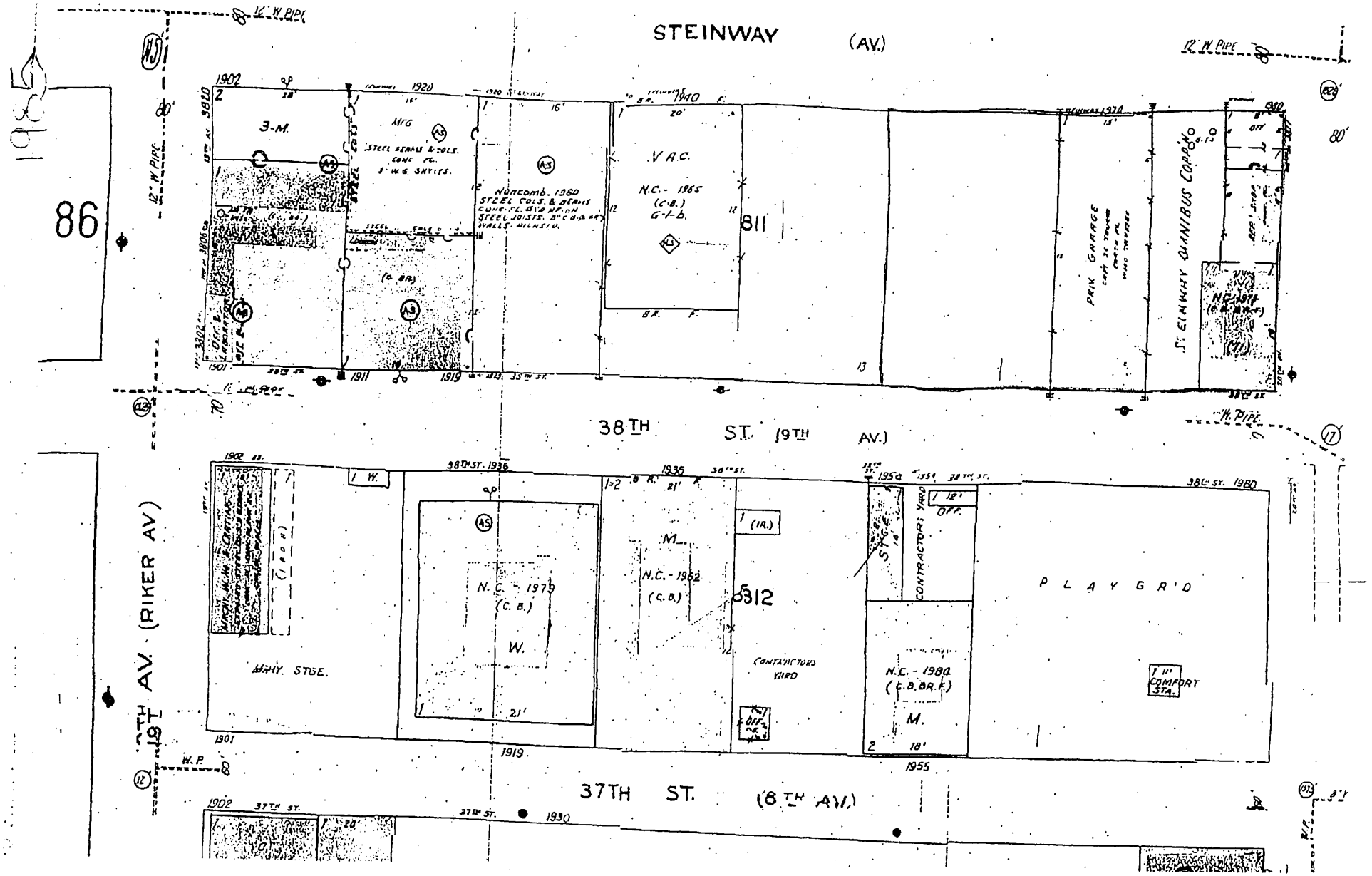
CONTRACTORS EQUIP'T STGE.
CONTRACTORS YARD
COMPRSR STA.
12" W. PIPE
6" W.P.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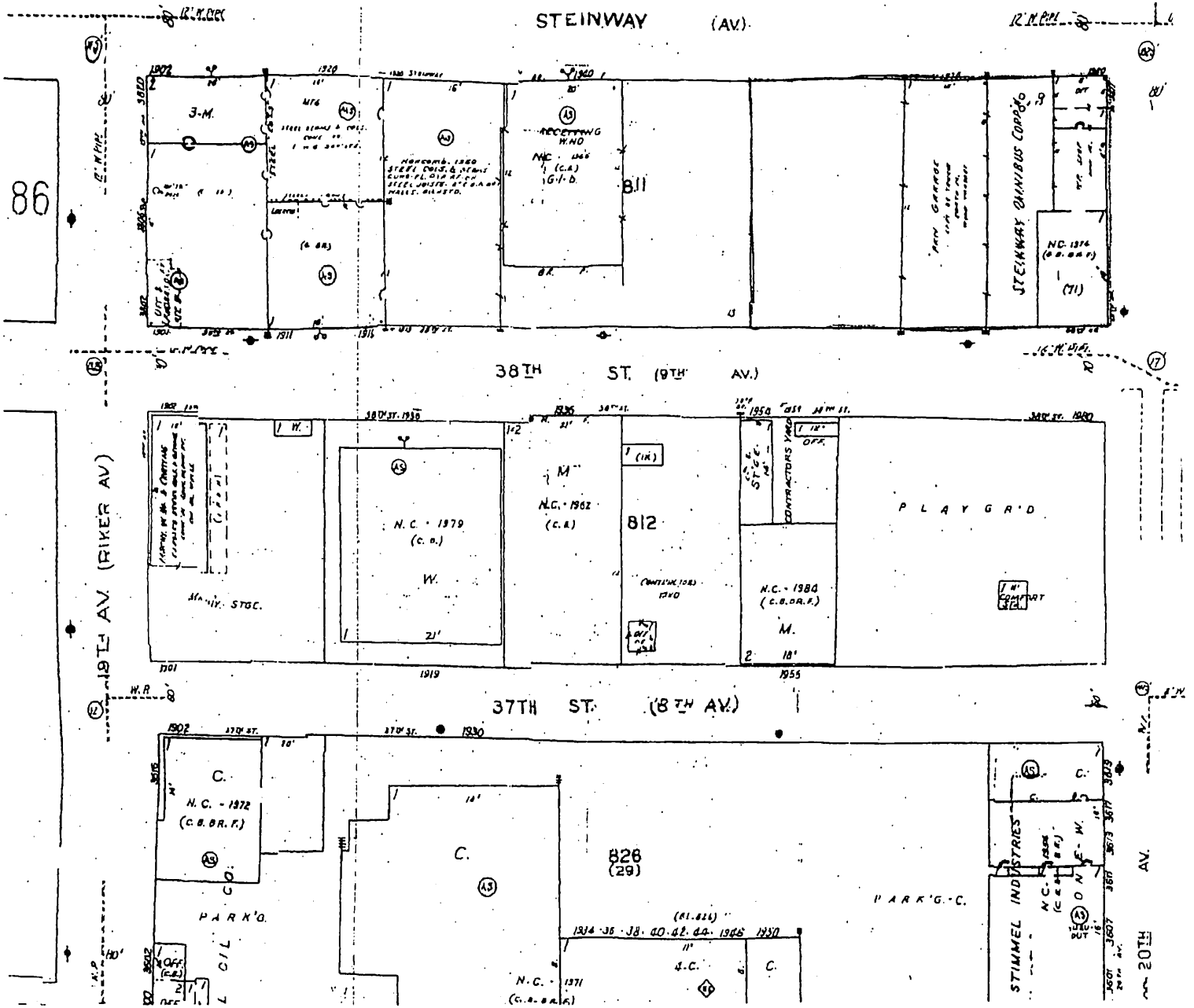
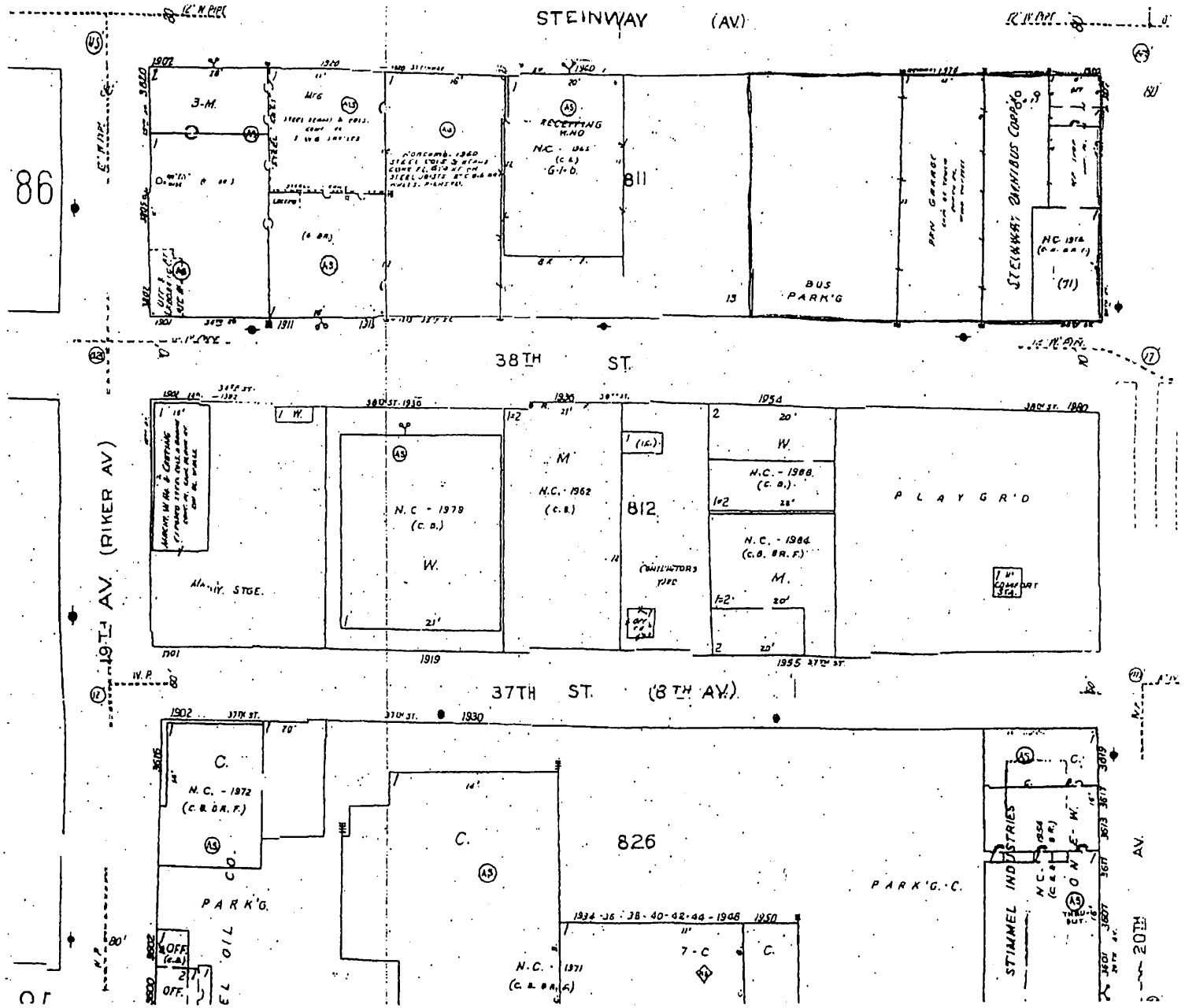
37TH ST. (18TH AV.)
(RIKER AV)
86
811
812
3-M.
MFG
V.A.C.
N.C.- 1965
(C.B.)
G-L-b.
PRIV. GARAGE
ST. ELNWHY OMNIBUS CORP.
N.C.-1977
(71)
N.C. - 1979
(C.B.)
W.
N.C.-1962
(C.B.)
M.
CONTRACTOR'S YARD
CONTRACTORS YARD
N.C. - 1980
(C.B.BR.F.)
M.
PLAYGR'D
COMFORT STA.
WHY. STGE.
OFF.
12" W. PIPE

1986


STEINWAY (AV.)
38TH ST. (9TH AV.)
37TH ST. (8TH AV.)
19TH AV. (RIKER AV.)
86
811
812
826
(29)
3-M.
M76
RECEIVING W.HO
N.C. 1966
(C.A.)
G.I.D.
STEINWAY OMNIBUS CORP.
N.C. 1974
(C.B.BR.F.)
(71)
N.C. 1979
(C.B.)
W.
M
N.C. 1962
(C.A.)
(1K)
STG.
CONTRACTORS YARD
OFF.
PLAYGR'D
N.C. 1980
(C.B.BR.F.)
M.
COMFORT STA.
C.
N.C. 1972
(C.B.BR.F.)
PARK'G.
PARK'G.-C.
N.C. 1371
(C.B.BR.F.)
4.C.
STIMMEL INDUSTRIES
N.C.
(C.B.)
OFF.
(C.B.)
12" W. PIPE
W.R.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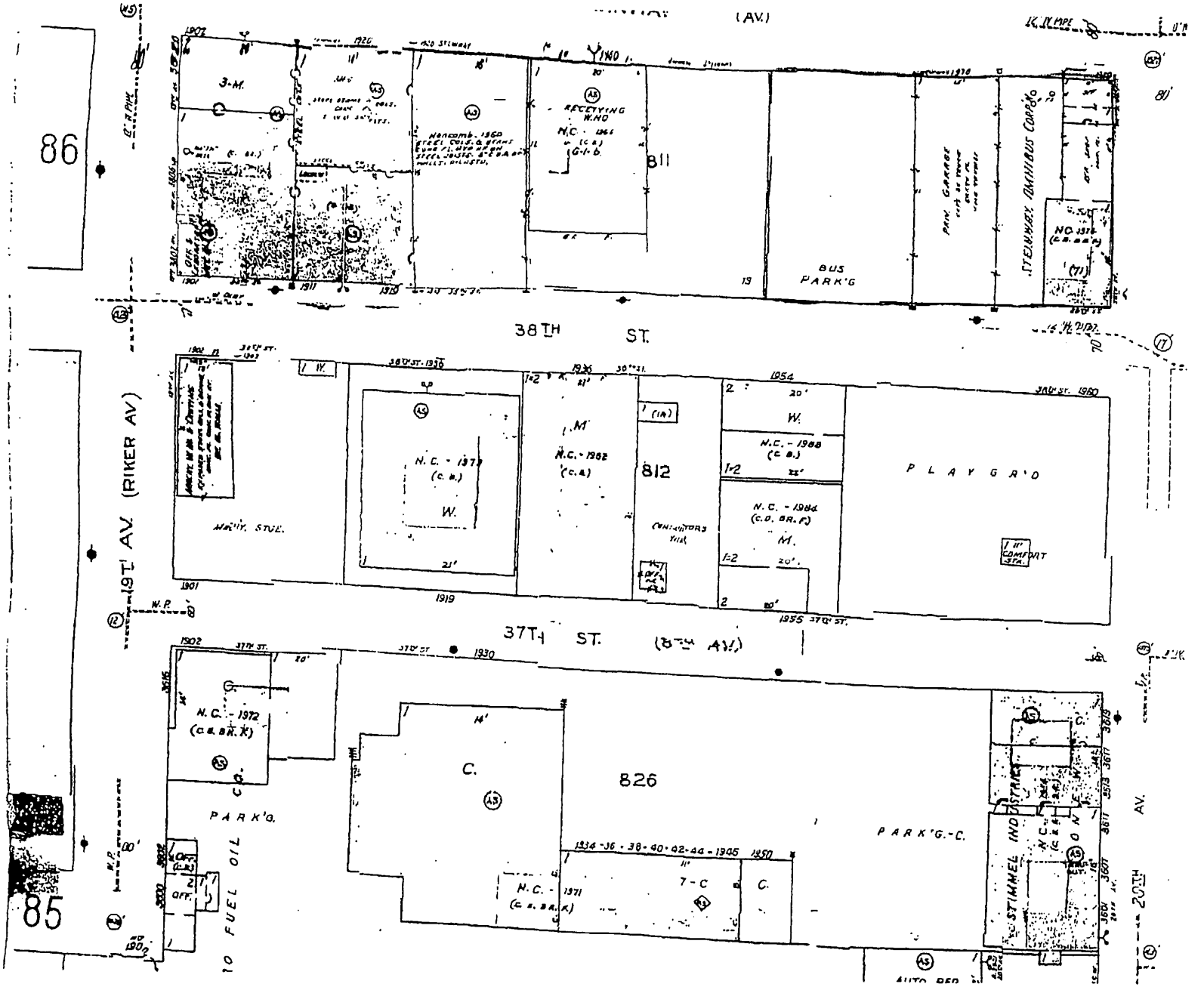
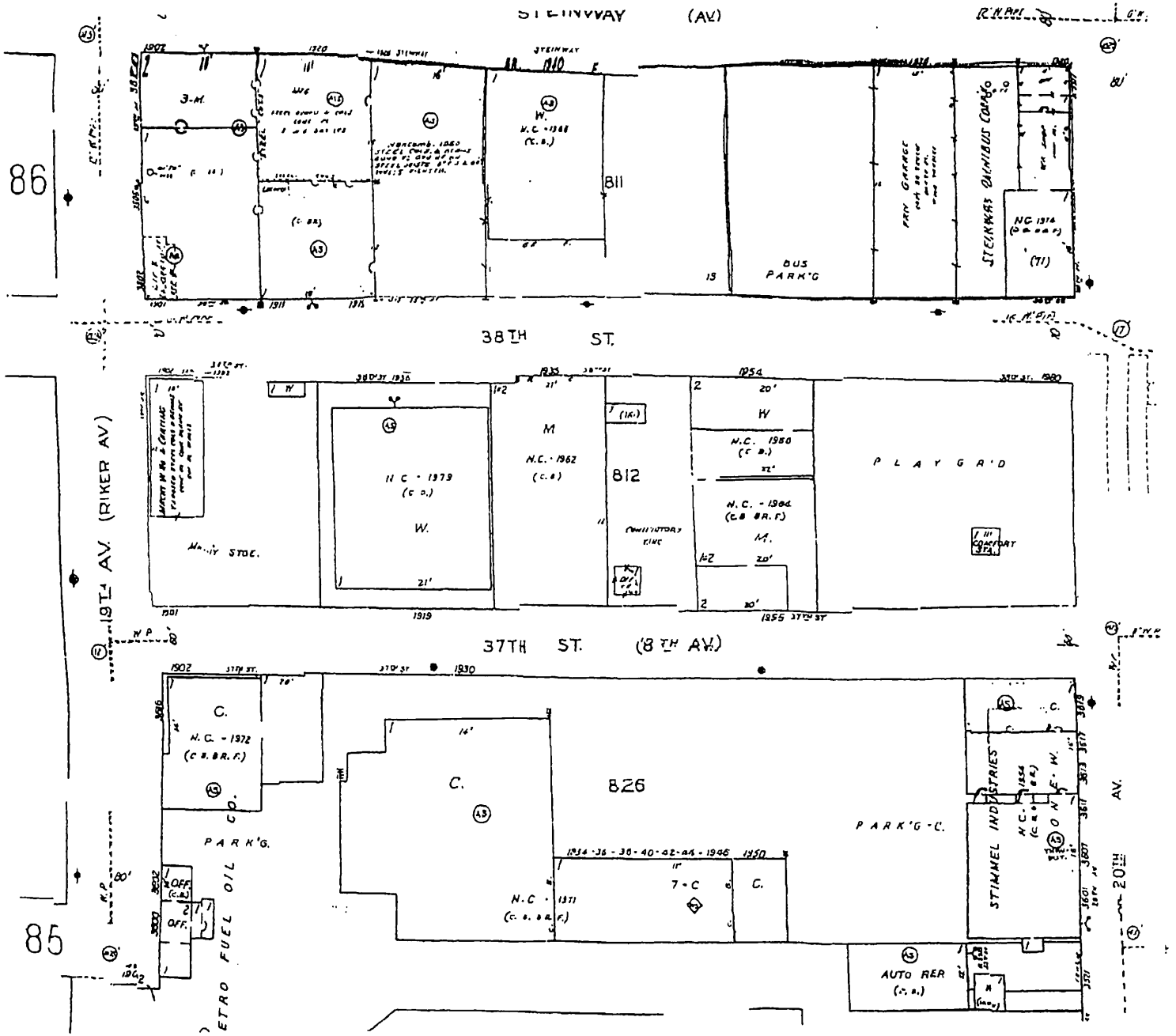
38TH ST.
37TH ST. (8TH AV.)
19TH AV. (RIKER AV)
20TH AV.
86
811
812
826
3-M.
RECEIVING WHO
BUS PARK'G
STEINWAY OMNIBUS CORP'N
(71)
N.C. - 1979 (C.B.)
N.C. - 1962 (C.B.)
N.C. - 1988 (C.B.)
N.C. - 1984 (C.B. BR. F.)
PLAYGR'D
N.C. - 1972 (C.B. BR. F.)
PARK'G.
PARK'G.-C.
N.C. - 1971 (C.B. BR. F.)
7-C
STIMMEL INDUSTRIES

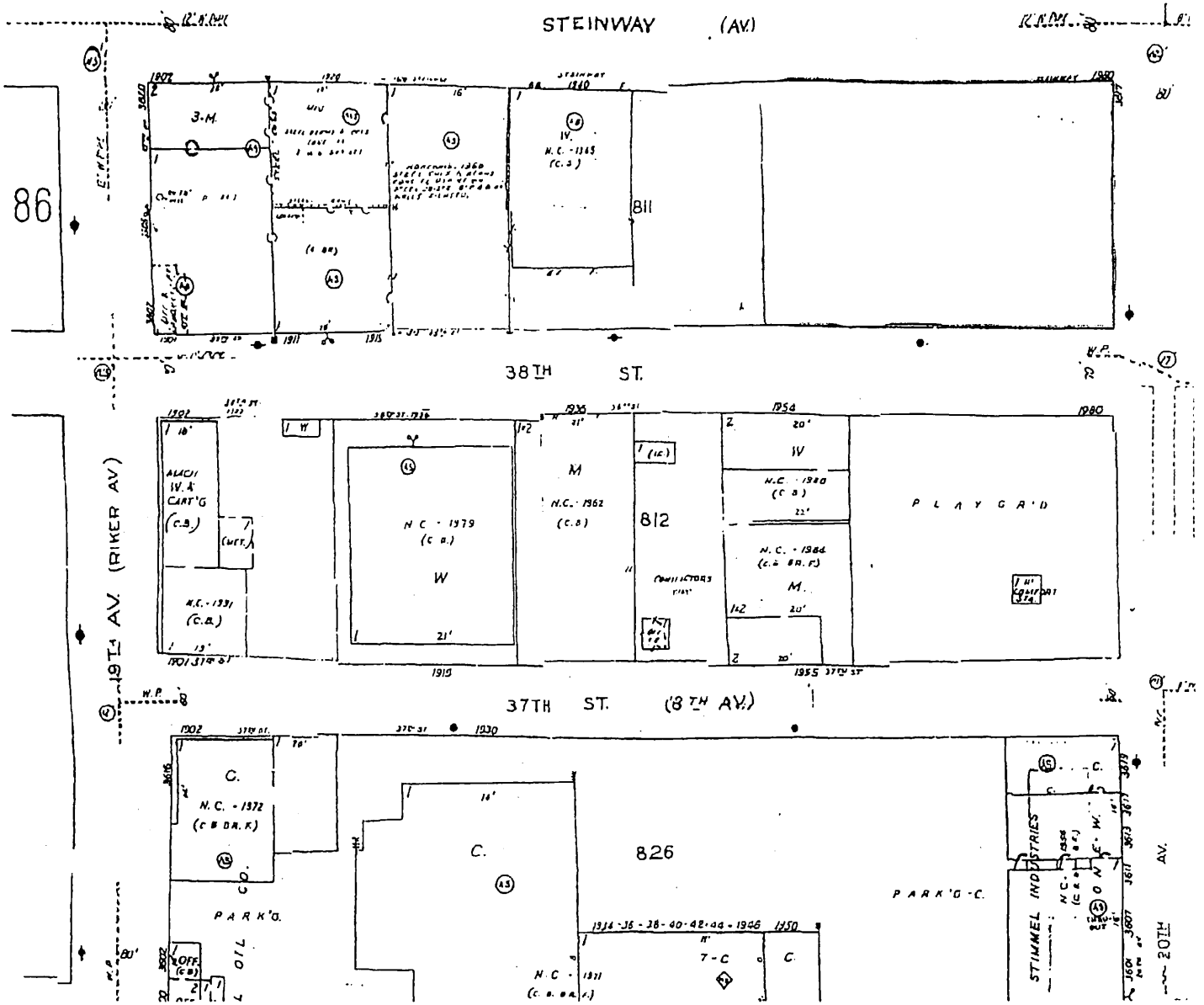
1989


86
85
38TH ST.
37TH ST.
19T AV. (RIKER AV)
20TH AV.
3-M.
RECEIVING W.HO
N.C. - 1966
811
BUS PARK'G
STEINWAY OMNIBUS CORP'G
NO. 1319
N.C. - 1971 (C.B.)
W.
N.C. - 1962 (C.B.)
M
812
N.C. - 1968 (C.B.)
N.C. - 1984 (C.B. BR. F)
PLAY GR'D
COMFORT STA.
N.C. - 1972 (C.B. BR. K)
C.
826
N.C. - 1971 (C.B. BR. K)
7-C
PARK'G.
PARK'G.-C.
STIMMEL IND. STORE
N.C.
OFF.
10 FUEL OIL CO.

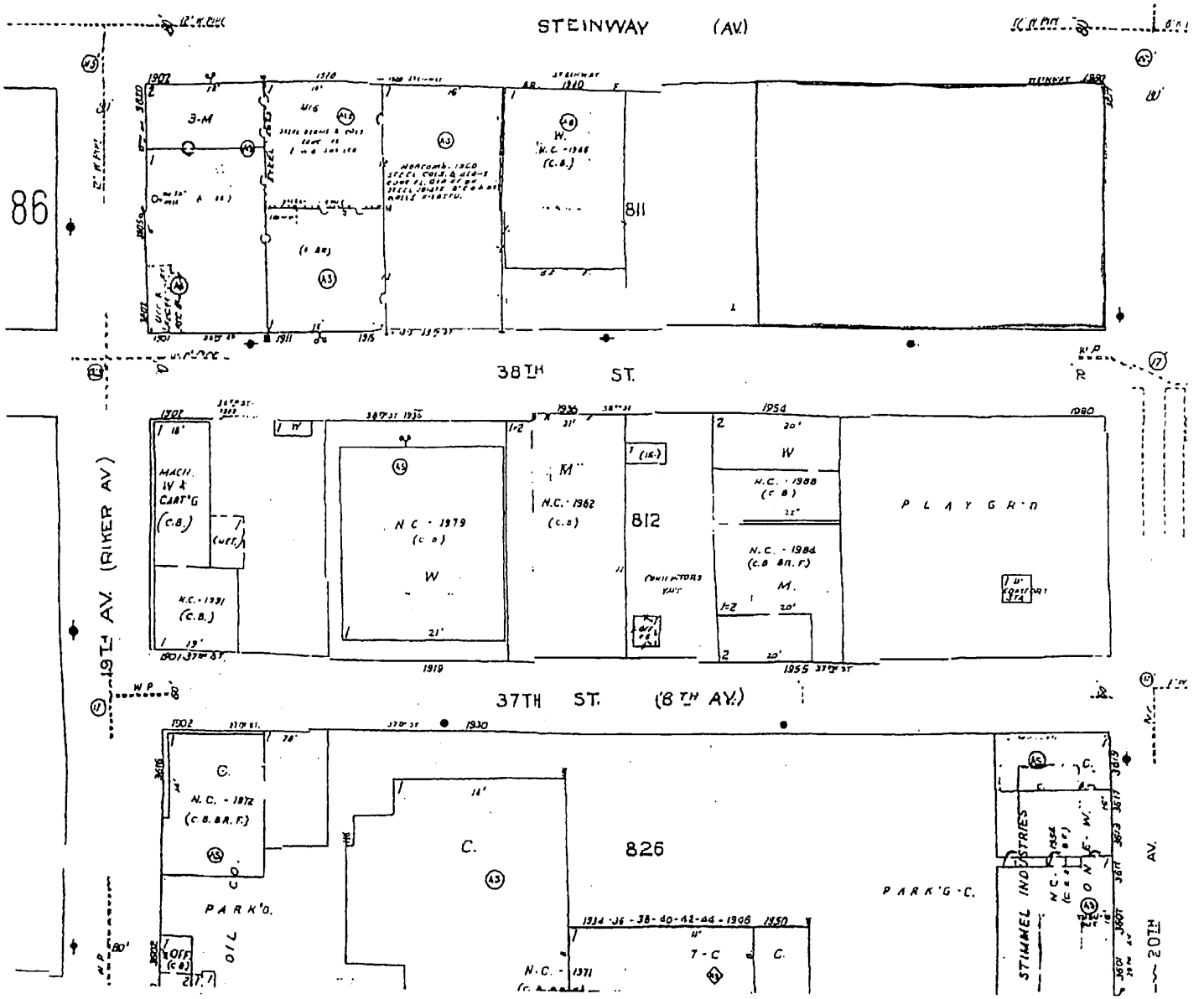
1940


STEINWAY (AV.)
38TH ST.
37TH ST. (8TH AV.)
19TH AV. (RIKER AV.)
20TH AV.
86
85
811
812
826
BUS PARK'G
STEINWAY OMNIBUS CORP'N
PLAY GR'D
PARK'G.
PARK'G-C.
STINWEL INDUSTRIES
AUTO RER
ETRO FUEL OIL

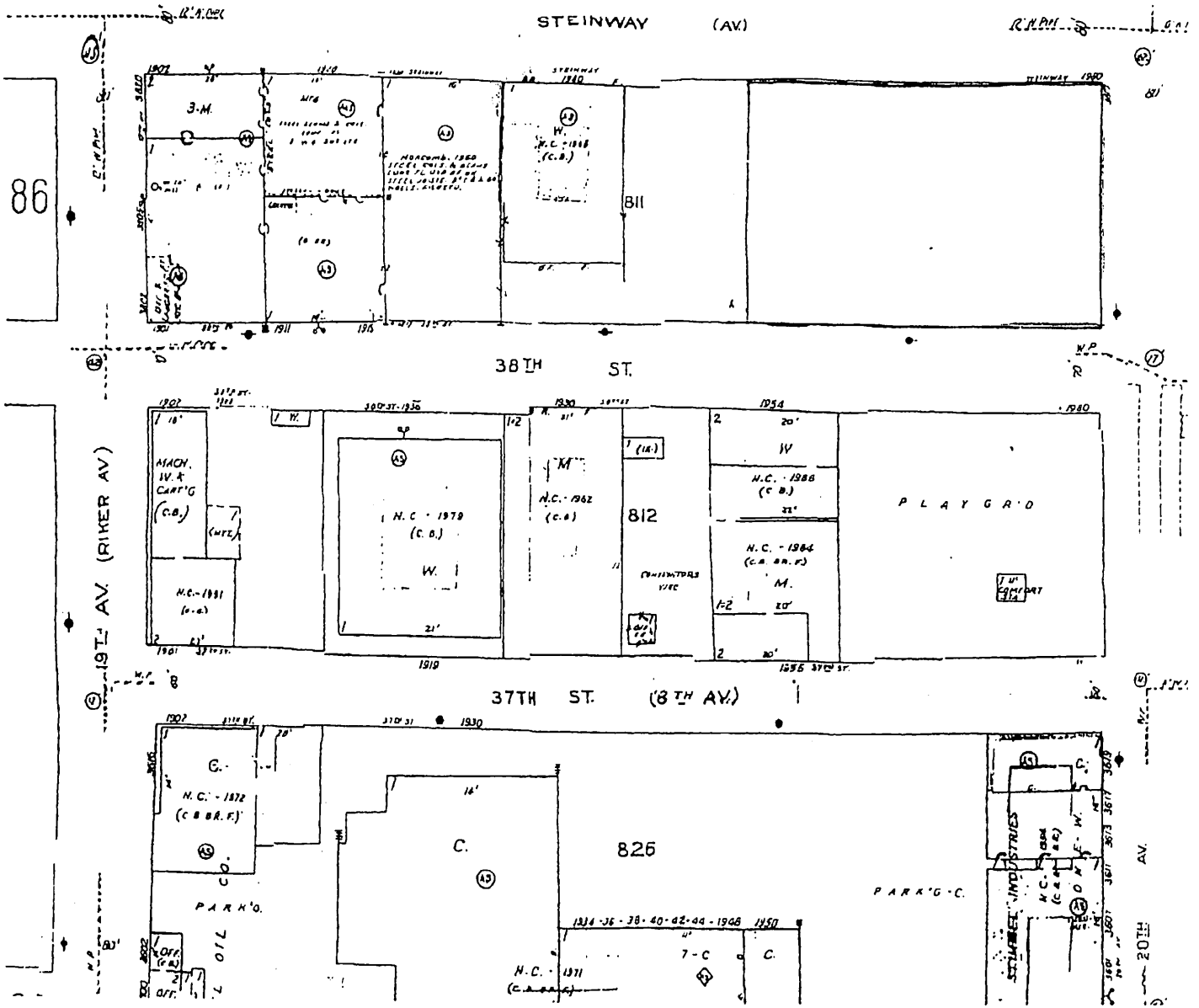
1991


STEINWAY (AV.)
38TH ST.
37TH ST. (18TH AV.)
19TH AV. (RIKER AV)
20TH AV.
86
811
812
826
3-M.
IV.
N.C. - 1965
(C.S.)
N.C. - 1979
(C.B.)
W
M
N.C. - 1962
(C.B.)
N.C. - 1980
(C.B.)
N.C. - 1984
(C.B. BR. F.)
PLAYGR'D
N.C. - 1931
(C.B.)
C.
N.C. - 1972
(C.B. DR. K.)
PARK'G.
PARK'G-C.
STIMMEL INDUSTRIES
N.C. - 1971
(C.B. BR. F.)
7-C
OFF.
(C.B.)

1962


STEINWAY (AV.)
86
3-M
811
W.
N.C. - 1946
(C.B.)
38TH ST.
MACH. W & CART'G
(C.B.)
N.C. - 1931
(C.B.)
N.C. - 1979
(C.B.)
W
M
N.C. - 1962
(C.B.)
812
W
N.C. - 1988
(C.B.)
N.C. - 1984
(C.B. BR. F.)
M.
PLAYGR'D
19TH AV. (RIKER AV.)
37TH ST. (8TH AV.)
C.
N.C. - 1972
(C.B. & R.F.)
PARK'G.
OFF.
(C.B.)
C.
826
N.C. - 1971
7-C
C.
PARK'G-C.
STIMMEL INDUSTRIES
N.C. - 1954
(C.B.)
E. - W.
20TH AV.

1998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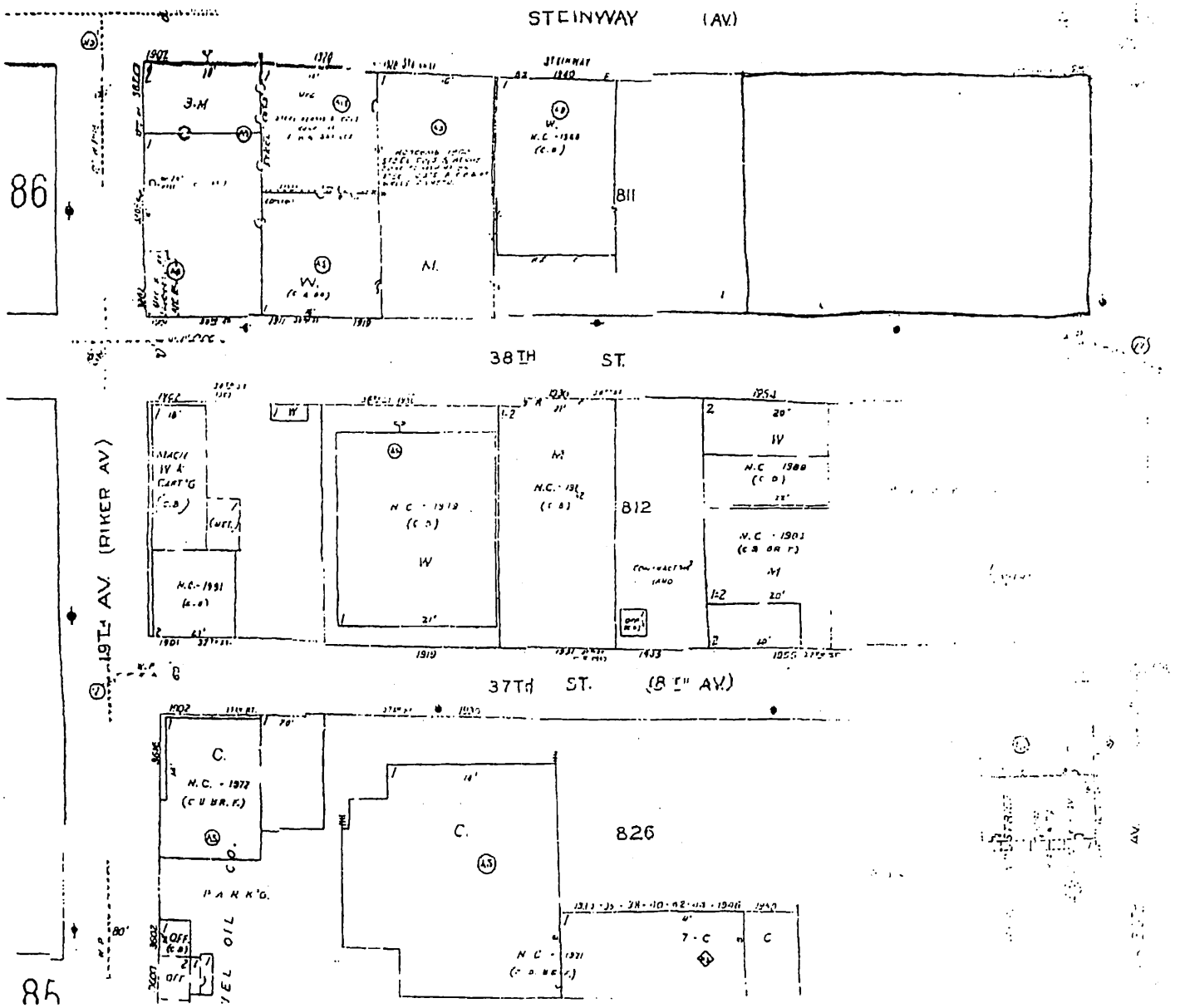
37TH ST. (8TH AV.)
19TH AV. (RIKER AV)
20TH AV.
86
811
812
826
3-M.
MACH. W. & CART'G (C.B.)
N.C. - 1979 (C.B.)
N.C. - 1962 (C.B.)
N.C. - 1986 (C.B.)
N.C. - 1984
N.C. - 1951
N.C. - 1972
N.C. - 1971
PLAYGRO'D
PARK'G.
PARK'G-C.
OIL CO.
STUMEL INDUSTRIES

1994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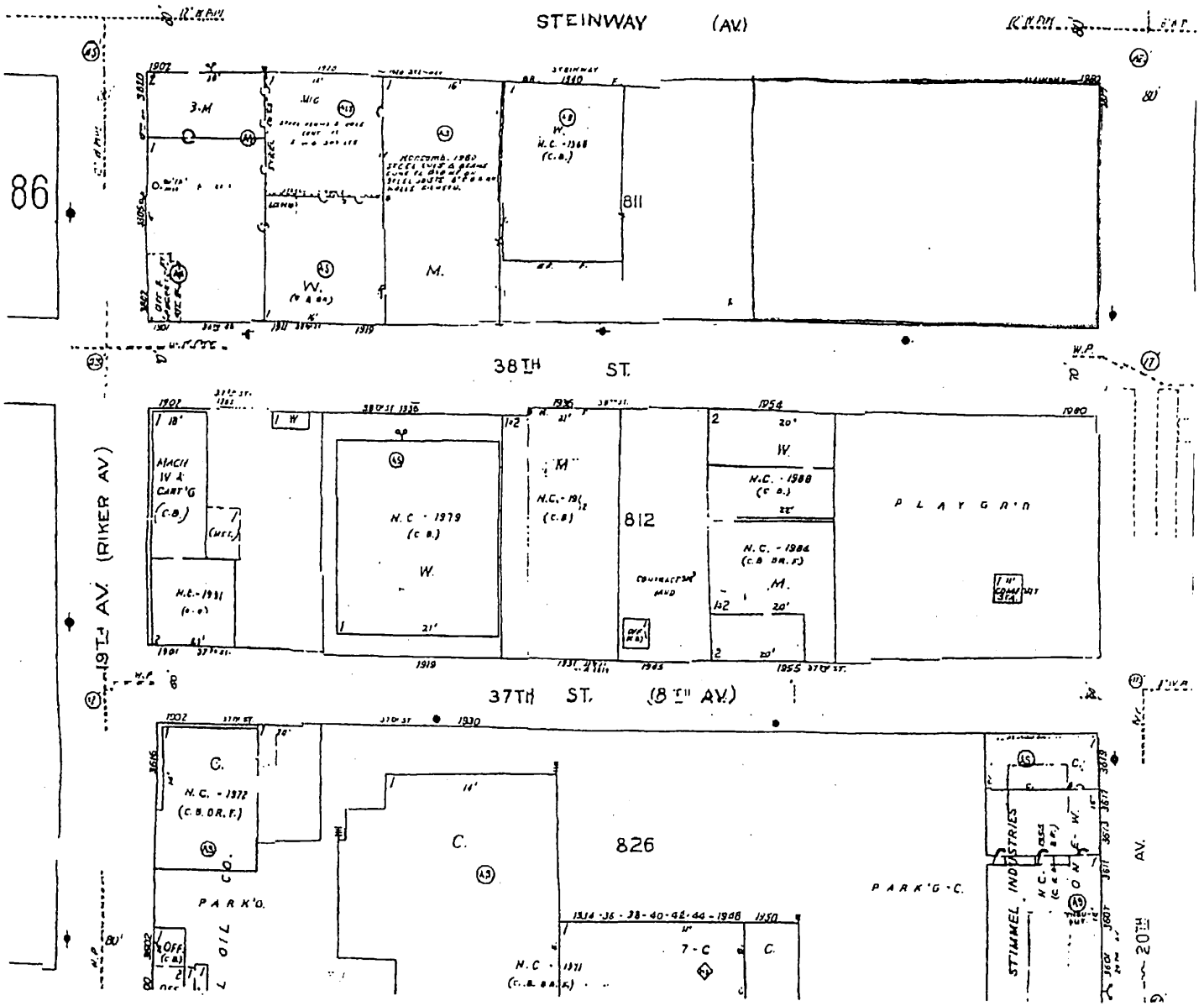
3-M
W.
M.
IV
C.
PARK'G.
OIL CO.
OFF.
7-C

1995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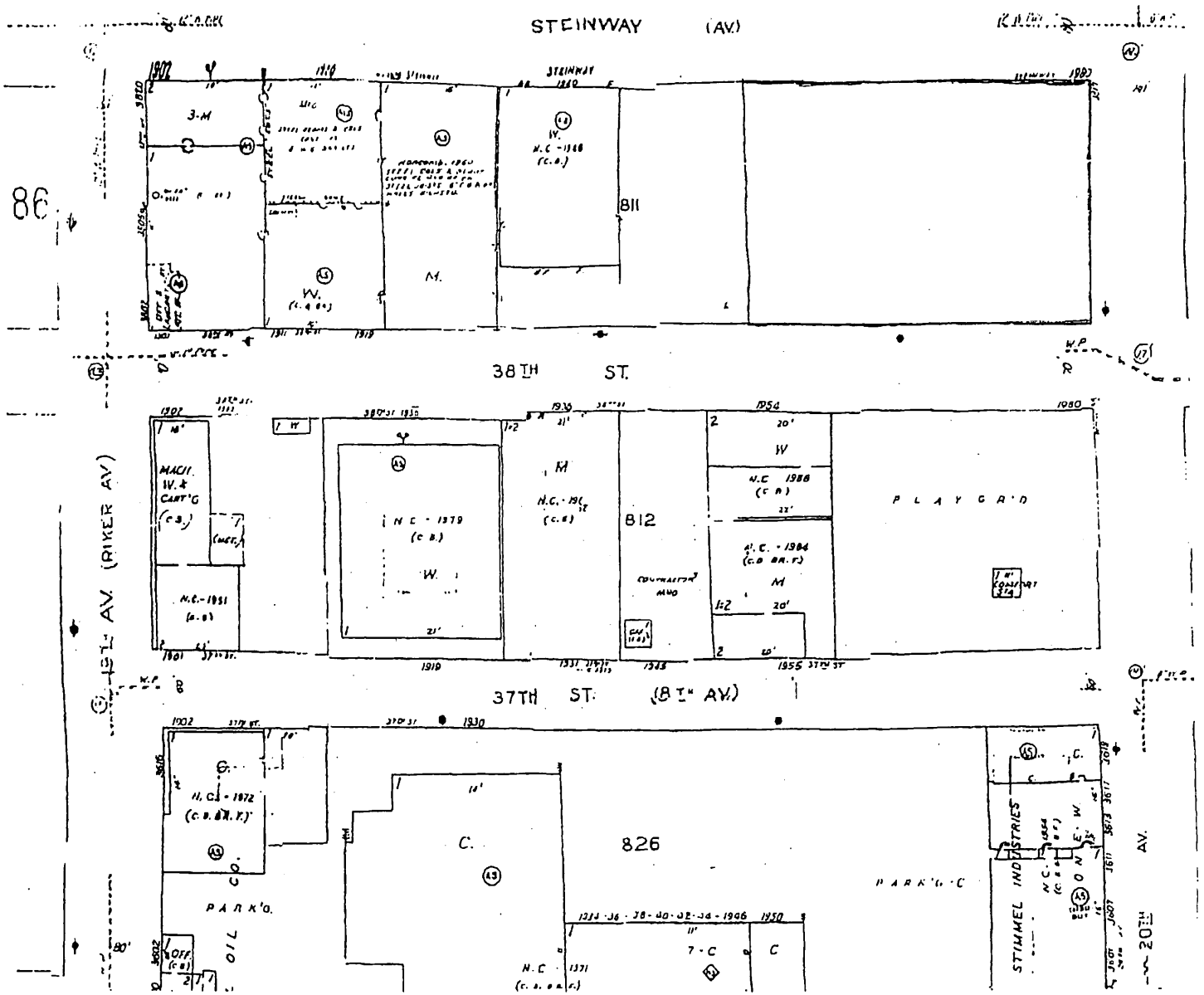
20TH AV.
86
811
812
826
PLAYGRND
PARK'G C.
PARK'G.
STIMMEL INDUSTRIES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37TH ST. (8TH AV.)
8TH AV. (RIKER AV.)
20TH AV.
811
812
826
PLAYGR'D
PARK'G
STIMMEL INDUSTRIES
OIL CO.

0608184

0608184

Rec'vd Date: 08/09/06 10:31

CHAIN OF CUSTODY

ETL
208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

P. 1 of 3

Client Information

Company Name: Metrow Development ~~Group~~ Services LLC
Address: 1610 New Highway
City: Farmingdale State: NY Zip:
Project Contact: Ellis Kotch
Phone #: Fax #:
E-mail:

Project Information

Project Name: 19-73 38th Street
Street:
City: Astoria State: NY Zip:
Project #:
Sampler's Name: William Schlageter
Sampler's Signature:

Analytical Information: ☐8260 ☐624 ☐8021 ☐602 ☐BTEX ☐MTBE ☐TBA ☐NAPH ☐TCL ☐STARS ☐TCLP ☐8270 ☐625 ☐TCL ☒STARS ☐AE ☐BN ☐PAH ☐TCLP SVOCs ☐TIC: ☐+10 ☐+15 ☐+25 ☐+99 ☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH ☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500 ☒METALS ☐TOTAL ☐TAL ☒RCRA ☐TCLP ☐Mercury ☐Hardness ☐Lead ☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP ☐pH ☐REACT ☐RIC

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G-Grab; C-Composite; B-Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	8260	8270	STARS	METALS	(LAB USE ONLY)
	TP-1 10-12'	G	S	8/7/06	8:20		2									X	X		X	
	TP-1 5-6'	G	S	8/7/06	8:25		2									X	X		X	
	TP-1 2-3'	G	S	8/7/06	8:30		2									X	X		X	
	TP-2 5-6'	G	S	8/7/06	8:50		2									X	X		X	
	TP-2 10-12'	G	S	8/7/06	8:55		2									X	X		X	
	TP-3 11-13'	G	S	8/7/06	9:15		2									X	X		X	
	TP-3 2-3'	G	S	8/7/06	9:25		2									X	X		X	
	TP-4 11-13'	G	S	8/7/06	11:25		2									X	X		X	
	TP-4 7-9½'	G	S	8/7/06	11:30		2									X	X		X	
	TP-5 10-12'	G	S	8/7/06	13:00		2									X	X		X	

Turnaround Time (Business Days)

- ☒ Standard 7-10 Business Days
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☐ 2 Day *RUSH*
- ☐ 1 Day *RUSH*

(LAB USE ONLY) TAT Approved By / Date:

Data Deliverable Information

- ☐ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ MA QC Package (LevelMA)
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-2)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other _____
- ☐ EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

Copy results to BSchlageter@preferredenv.com

ETL COC Review Check List (LAB USE ONLY)

- ☐ Task Log In and Initial Review — Init: ____ Date/Time: ____
- ☐ Final Review and Approval — Init: ____ Date/Time: ____
- ☐ Complete and Invoiced — Init: ____ Date/Time: ____

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1	1	2	2 8/9 10:31	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5	COOLER INFORMATION: Cooler Temp: ___ pH:		

0608184

0608184

Rec'vd Date: 08/09/06 10:31

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

P. 2 of 3

Client Information

Company Name: Metrow Development Services LLC
Address: 1610 New Highway
City: Farmingdale State: NY Zip:
Project Contact: ELLIS Koch
Phone #: (631) 249-1872 ext 282 Fax #: (631) 752 3008
E-mail: ekoch@MetrowDev.com

Project Information

Project Name: 19-[redacted] 38th Street
Street:
City: Astoria State: NY Zip:
Project #:
Sampler's Name:
Sampler's Signature: William Schlageter

Analytical Information

☒8260 ☐624 ☐8021 ☐602 ☐BTEX ☐MTBE ☐TBA ☐NAPH ☐TCL ☐STARS ☐TCLP
☒8270 ☐625 ☐TCL ☒STARS ☐AE ☐BN ☐PAH ☐TCLP
☐TIC: ☐+10 ☐+15 ☐+25 ☐+99
☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH ☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500
☒METALS ☐TOTAL ☐TAL ☒RCRA ☐TCLP ☐Mercury ☐Hardness ☐Lead
☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP ☐pH ☐REACT ☐RIC

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; Sl - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Sample Information / Sample Collection / Sample Containers

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	NONE	HCl	H2SO4	HNO3	H2SO4	NaHSO4	MeOH	OTHER	8260	8270	TIC	PEST	METALS							Sample Type (LAB USE ONLY)
	TP-5 4-5'	G	S	8/7/06	13:00		2									X	X			X							
	TP-6 5-6'	G	S	8/7/06	14:15		2									X	X			X							
	TP-6 15-16'	G	S	8/7/06	14:20		2									X	X			X							
	TP-7 4-5'	G	S	8/7/06	15:00		2									X	X			X							
	TP-7 14-15'	G	S	8/7/06	15:10		2									X	X			X							
	TP-8 4-5'	G	S	8/8/06	8:15		2									X	X			X							
	TP-8 8-9'	G	S	8/8/06	8:30		2									X	X			X							
	TP-9 Northwall 4'	G	S	8/8/06	11:30		2									X	X			X							
	TP-9 5'	G	S	8/8/06	11:15		2									X	X			X							
	TP-9 9-10'	G	S	8/8/06	11:20		2									X	X			X							

Turnaround Time (Business Days)

- ☒ Standard 7-10 Business Days
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☐ 2 Day *RUSH*
- ☐ 1 Day *RUSH*

(LAB USE ONLY) TAT Approved By / Date:

Data Deliverable Information

- ☒ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ MA QC Package (LevelMA)
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-2)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other _____
- ☐ EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

~~Send results~~ copy results to BSchlageter@preferredenv.com

ETL COC Review Check List (LAB USE ONLY)

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- ☐ Final Review and Approval — Init: — Date/Time:
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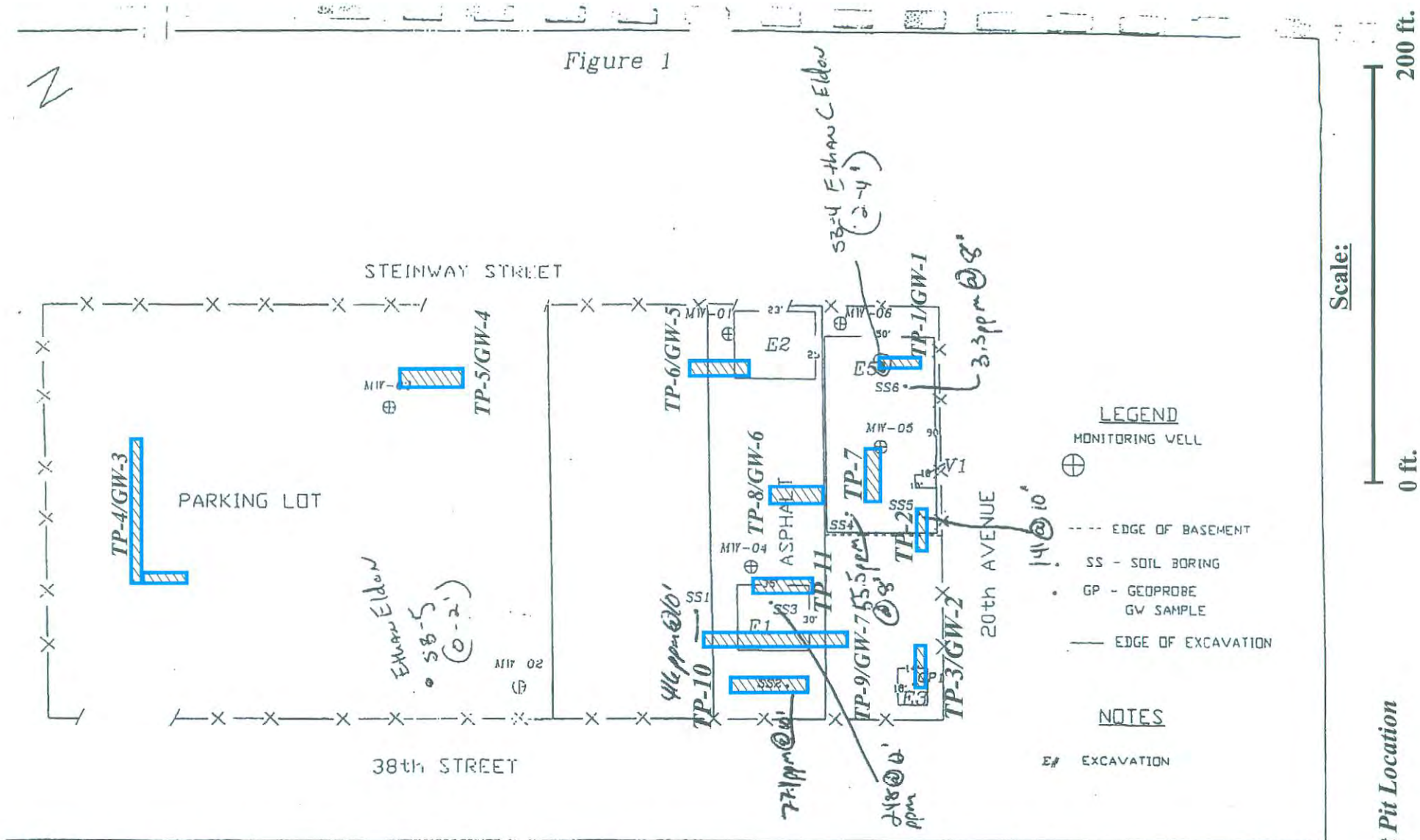
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	10:20 8/9/06	1	2	2 8/9 10:31	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5	COOLER INFORMATION: Cooler Temp: _____ pH: ___		

Figure 1



APPROVED	REVISION

WALDEN ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
3 AUDREY AVENUE
OYSTER BAY, NEW YORK 11771
(516) 624-7200 FAX (516) 624-3219

19-80 STEINWAY STREET
ASTORIA, NEW YORK

DRAWING TITLE: SAMPLING LOCATION PLAN
DRAWING NO. 1
REV. NO.
SCALE: 1"=60'-0"
REVISION DATE
JOB NO. AUDIT00496
CAD FILE NAME: Site Plan
SHEET 1 OF 1

- Old spill cleared - clean fill a top
? spill - called in - MTBE - from off-site

Basement - dig - small as possible.
"E" - designated "Don't know -

George A. Fuller Market Group -
Peter Palazzo } - Developer
Vestar Group
Steve Benini } owner

Langan Foundation / design

SSDS / Langan / Clean fill

2-3 story Bldg, slab on grade

20 ft ave - retail / residential
parking garage - rear 2 + 3rd floor

Urban fill
pre-characterized - OAD + 60
regrade / height limitation
18-36" 1½-3 ft.

? "urban fill" - confirmation

"historic fill" - HASP - construct
"pre-disturbance

Test Pit	Soil Descriptions	Samples
Test Pit 1	Fill Material, Fine sand and silt. Concrete fragments, brick and other fill materials into water table. Water Table at 10 feet bgs. No odors, staining or PID responses.	10-12 ft 5-6 ft 2-3 ft GW-1
Test Pit 2	Fill material - fine sand and silt with concrete and brick fragments to seven feet bgs. Groundwater at 10 ft bgs- dark brown silty clay. No odors, staining, PID responses.	5-6 ft 10-12 ft
Test Pit 3	Fill material concrete fragments, brick fragments, srap metal, glass to five feet bgs. At 5 feet bgs, a thin (one-inch thick) layer of black colored silt - a slight old petroleum odor noted.	2-3 ft 11-13 ft GW-2
Test Pit 4	Fill material fine sand and gravel to 8 ft bgs. Brick concrete and wood blocks from 8 ft bgs into water table at 9 ft bgs. Coal/Fly ash at 9.5 ft bgs to 16 ft (at least (could not get out of ash fill). No odors or PID responses.	7-9 ft 11-13 ft GW-3
Test Pit 5	Fill material fine sand and gravel, some scrap metal, brick and concrete to 7 ft bgs. Coal/Fly ash at 7 ft bgs into water table. A slight sheen and petroleum odor noted on groundwater. PID response on sample from within water table 1.7 PPM.	4-5 ft 10-12 ft GW-4
Test Pit 6	Fill material - fine sand silt, concrete, brick, glass to 4 ft bgs, Coal/fly ash at 4 ft bgs into the water table (9 ft bgs). Ash extends to depth of 15 feet bgs, where a fine grey sand and silt was encountered. Petroleum odor in GW, PID response of 54.8 on 5-6 ft sample.	5-6 ft. 15-16 ft. GW-5
Test Pit 7	Two layers of asphalt (two feet thick). Gravel, silt sand , brick and concrete blocks to 9.5 ft bgs (groundwater)> Strong petroleum-like odors noted from 8ft into groundwater. At 10 ft, a layer of ash, which appeared different than other ash (may be incinerator ash- not coal).	4-5 ft 14-15 ft
Test Pit 8	18 inches of asphalt- 6 inches of base. Fill material- fine sand, silt, concrete, scrap metal. Foundation of central building encountered at north end. Steel beam at ten feet bgs (at water table) storng petroleum odors noted at nine feet. Layer of spotty floating product noted on GW.	4-5 ft 8-9 ft GW-6
Test Pit 9	Gravel cover. Fine red sand and silt wilt brick and concrete to 2.5 ft bgs. Brown-fine sand and silt from 2.5 to 6 ft bgs. Light tan/brown silt with medium-to-fine sands to ten feet bgs. A concrete slab (former tank pad) noted remnants of monitoring wells noted. Strong petroleum odors and heavy soil staining at 8.5 ft bgs into water table. More substantial product noted on water table (less than 1/8 inch). The excavation was extended to north under foundation of former building. Petroleum odors and PID responses up to 300 ppm noted on shallow soils (four feet bgs).	5 ft 4ft (north wall) 9-10 ft GW-7
Test Pit 10	To west of No. 9. Steel pipes (potentially former fill piping noted at 2 ft bgs within excavation). Grey black silt with strong petroleum odor at 9 feet bgs. At 10 ft (into water table) coal fly ash encountered. Strong petroleum-odor. Spotty product again noted (less substantial tan in No. 9). PID responses 150 PPM.	9-10 ft
Test Pit 11	To east of No. 9. Red fine sand and silt encountered to 2.5 ft bgs. 2.5 ft to 8 ft. bgs- grey silty clay material slight old petroleum odor noted. Concrete fragments with scrap metal to 10 ft bgs. Eastern edge of concrete tank mat encountered at 10 ft bgs. Soil at tank mat black-colored strong petroleum odor - wet. PID responses 5 to 16.3 PPM.	5 ft 10 ft.

Meeting in NYC

Wednesday, August 23, 2006
2:08 PM

Send Langan the sheeting estimate and plan.

How much will have to be removed if no basement?

below grade area will be determined by the area of soil that needs to be removed. 10-12KSF of storage is sufficient.

Architect needs to verify how deep the slab-portion of the bldg will need to go.

* We need to ask the DEC if the pkng garage can be built directly on the existing soil.

Average depth is 18" w/max 36"

* We need to sample areas that will be removed & areas that we want to be built on site soil.

* need to get dimensions of THPS and that need to be taken out.

---

(1) Have Bldg permit - (Ellis)

modify for basement

* DEC

- Bought as is.

? rezoned from industrial

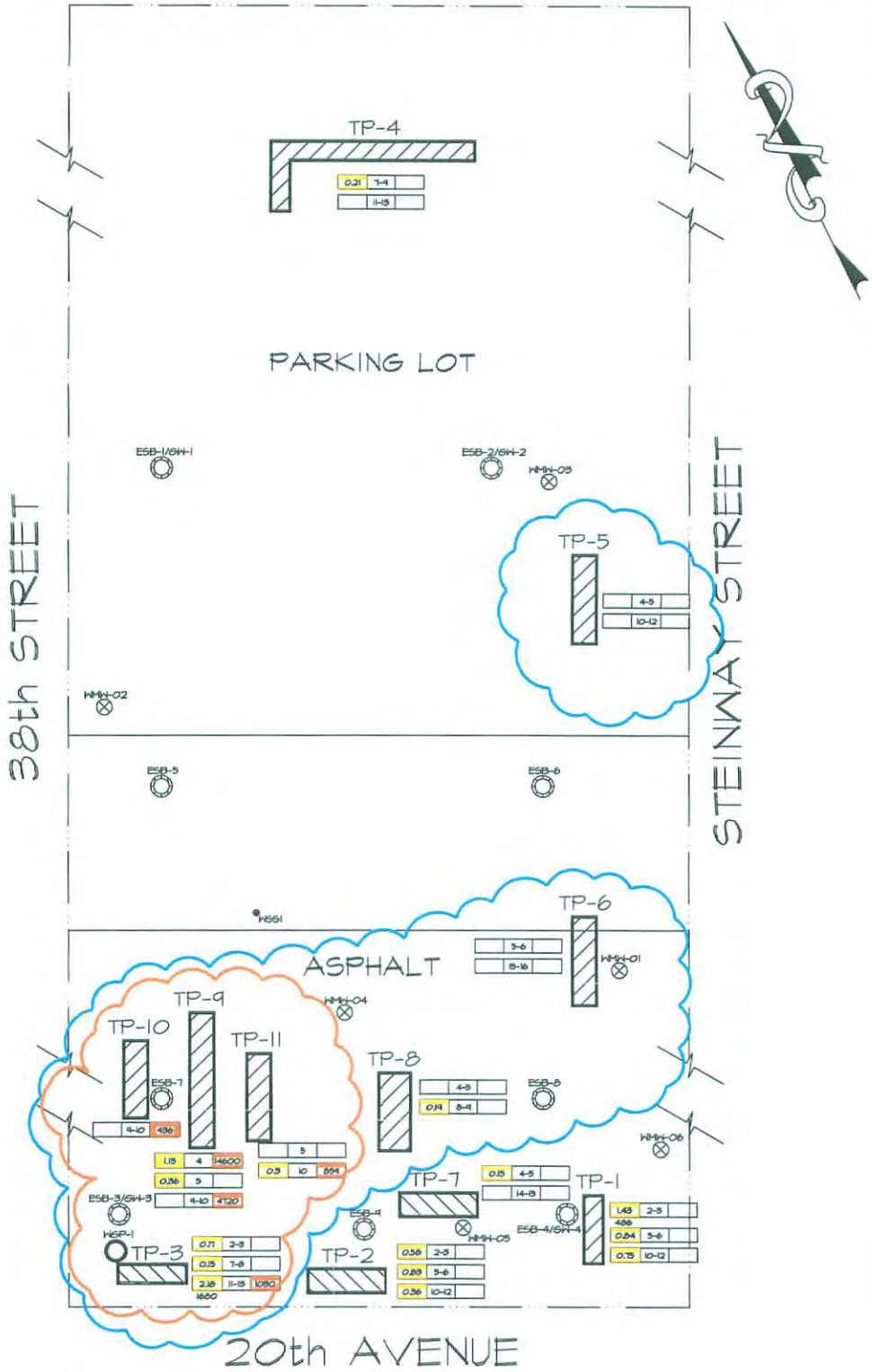
J-6 gw's

3 or 20th Street

---

(2) Cost estimate

(1)



LEGEND:

TP-6 — TEST PIT LOCATION & NUMBER

DEPTH OF SOIL SAMPLES SENT TO THE LABORATORY & RESULTS FOR MERCURY, LEAD, & TPH

0.75	10-12	859
1686 MERCURY LEAD	DEPTH OF SAMPLE (ft bls)	TPH (diesel range)

DELINEATES AREA WHERE TPH>500 PPM IS LOCATED

DELINEATES APPX AREA WHERE GROUNDWATER MAY BE IMPACTED BY HYDROCARBONS

MW-02 / MS1 — WALDEN MONITORING WELL AND SOIL BORING LOCATION

ESB-5/EGW-5 — ELDON MONITORING WELL AND SOIL BORING LOCATION

ESB-5 — ELDON SOIL BORING LOCATION

WSP-1 — WALDEN GEOPROBE LOCATION

NOTES:

1. SVOC RESULTS SHOW A GENERAL DISTRIBUTION OF HISTORIC FILL-RELATED CONSTITUENTS THROUGHOUT THE PROPERTY.
2. VOCs WERE GENERALLY ABSENT FROM ALL SOIL SAMPLES.

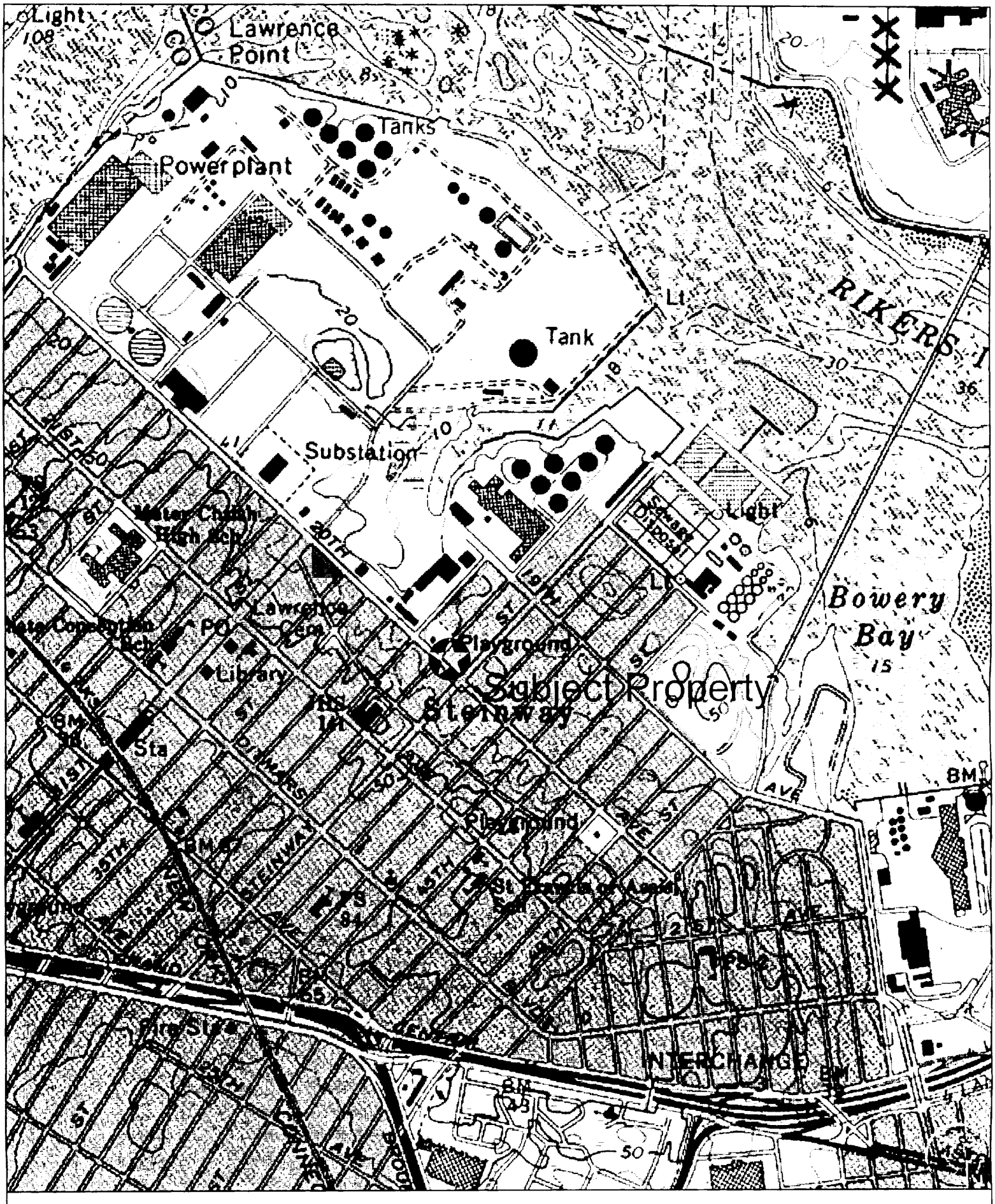
METRON DEVELOPMENT SERVICES
1610 New Highway
Farmingdale, New York 11735
phone: 631.384.2000 fax: 631.752.3008

LOCATION OF TEST PITS, BORINGS, WELLS AND SELECTED DATA

19-73 38th Street
Astoria, New York

Client: The Vesta Group
Date: August 21st, 2006

Prepared by: V. Cimmino | Checked by: E. Koch



Name: CENTRAL PARK
Date: 8/25/106
Scale: 1 inch equals 1000 feet

Location: 040° 46' 41.6" N 073° 54' 03.7" W
Caption: Current Topographic Map

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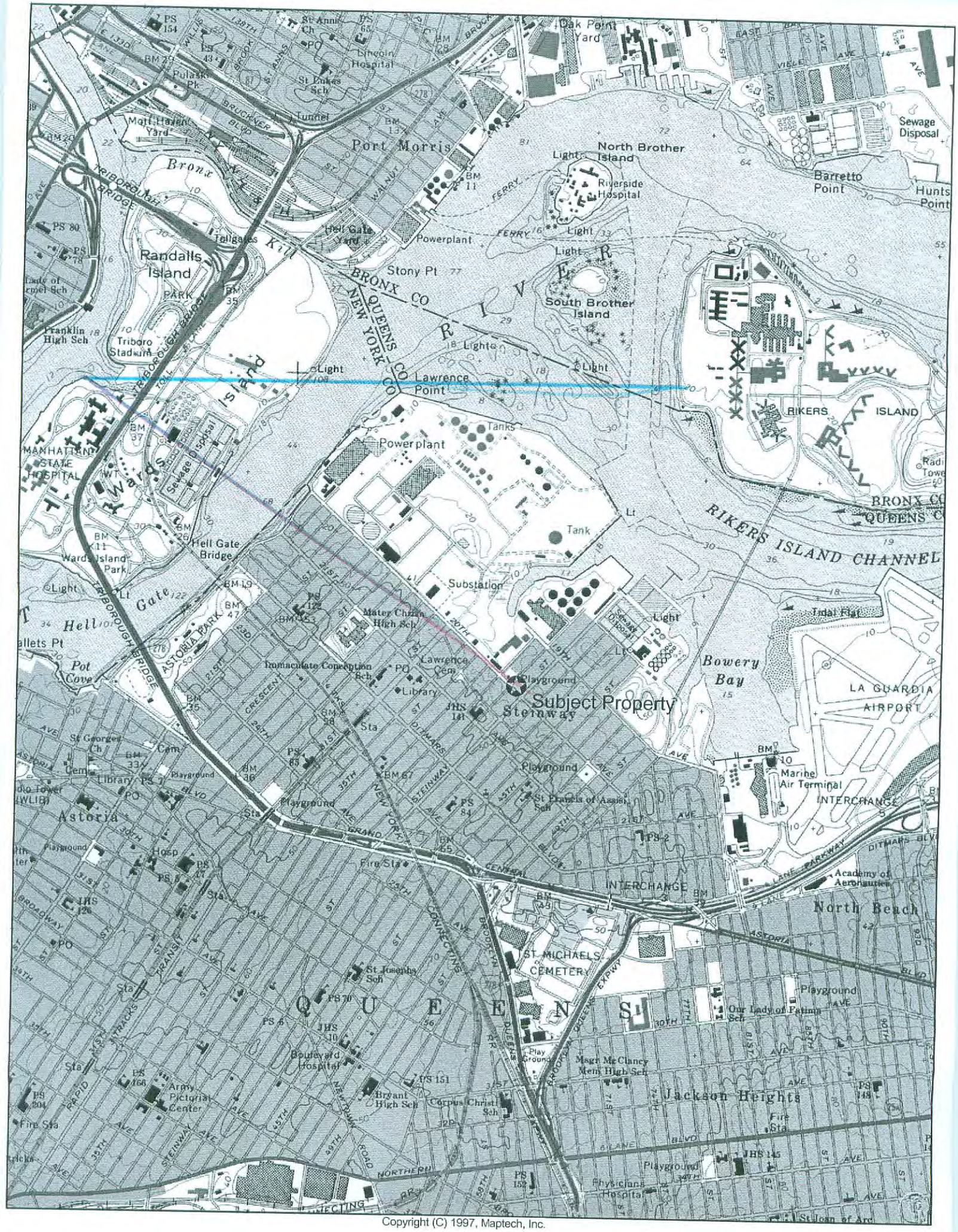
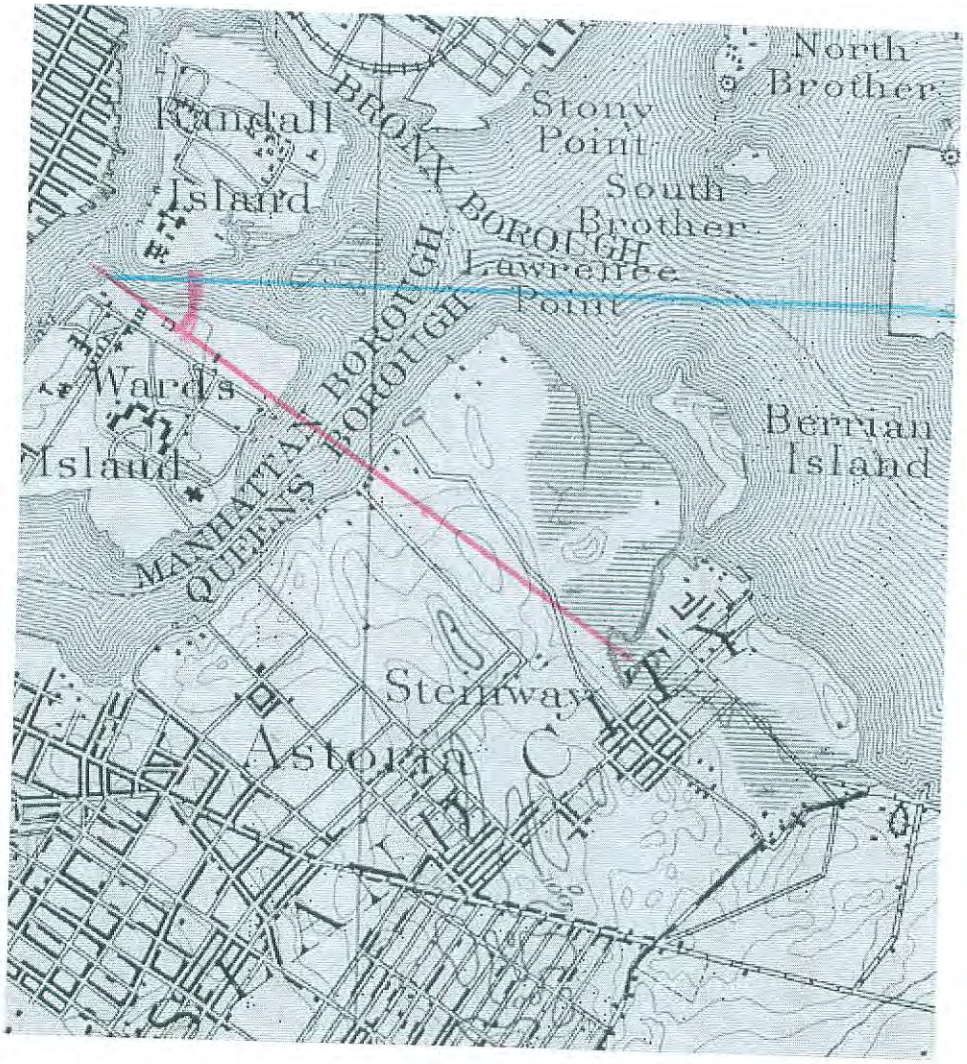


Copyright (C) 1997, Maptech, Inc.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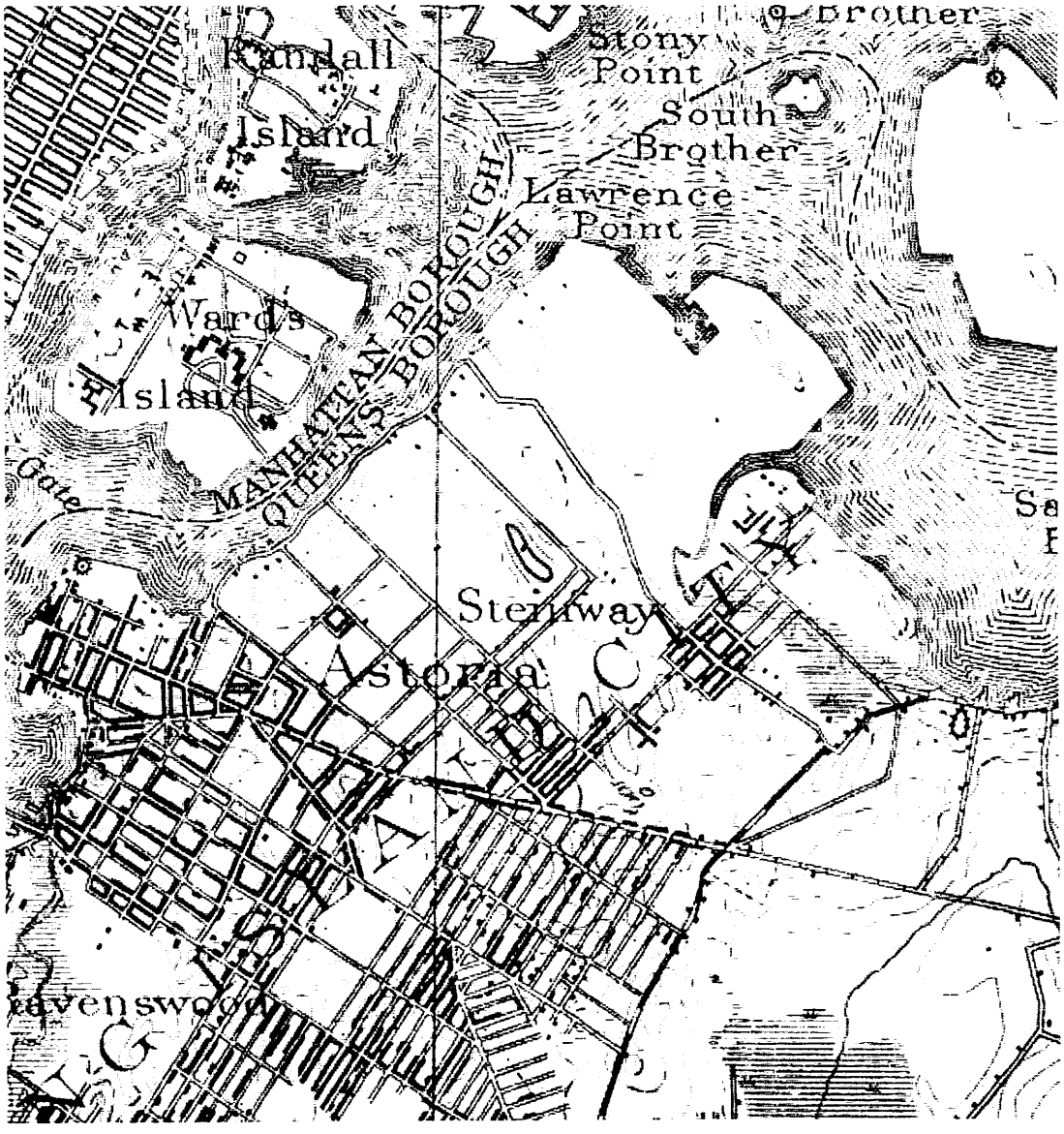
Randall
Island
Stony
Point
South
Brother
BRONX BOROUGH
Lawrence
Point
Ward's
Island
MANHATTAN BOROUGH
QUEENS BOROUGH
Berrian
Island
Steinway
Astoria

1900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Island
Stony
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Brother
Lawrence
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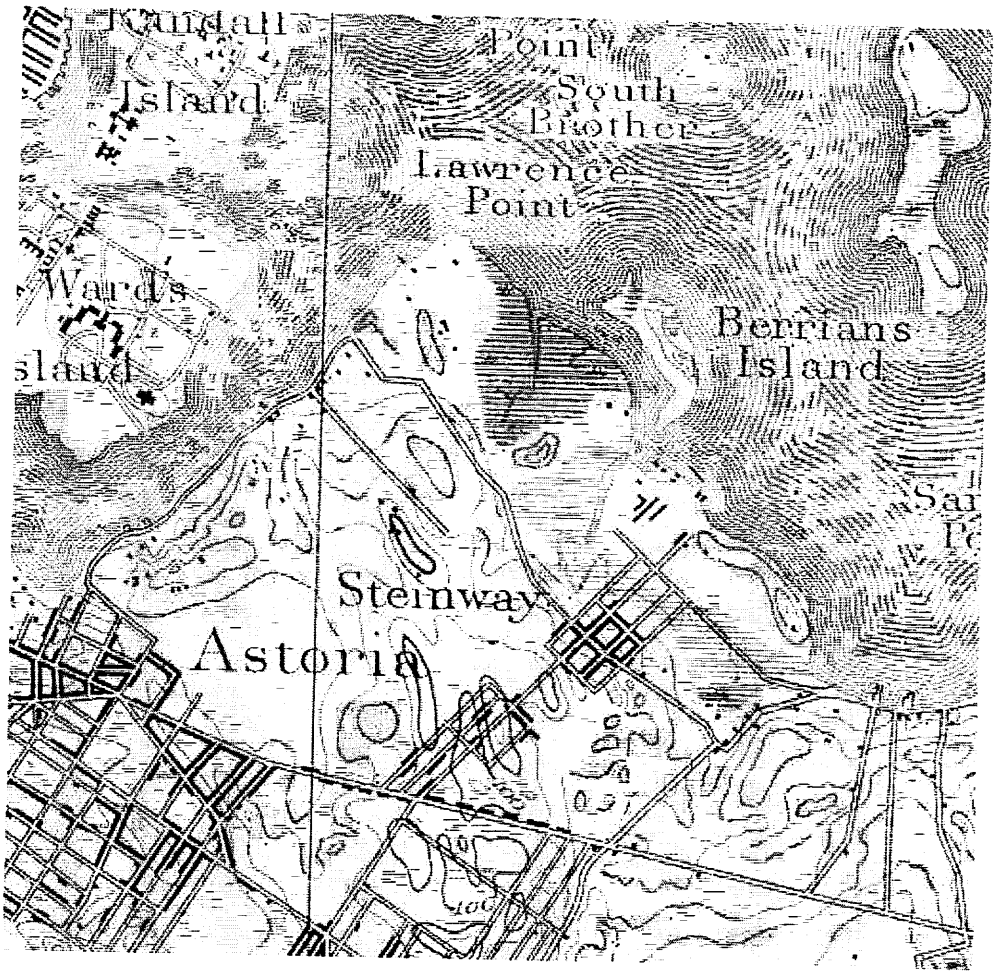
Wards
Island
MANHATTAN BOROUGH
QUEENS BOROUGH
Gate
Steinway
Astoria
Ravenswood

1897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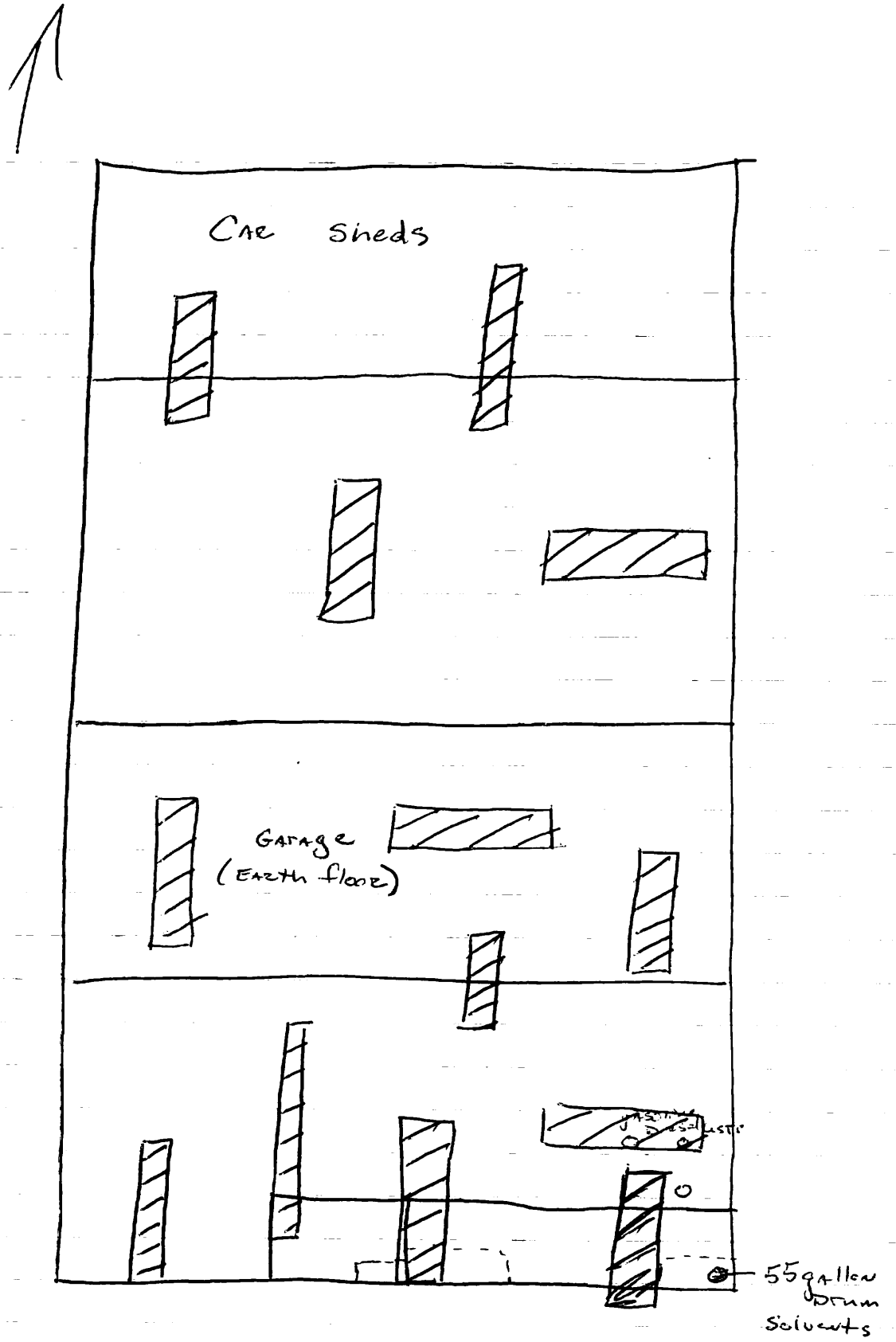
South
Brother
Lawrence
Point
Ward's
Island
Berrians
Island
Steinway
Astoria

1891


Car sheds
Garage
(Earth floor)
55 gallon
Drum
Solvents

APPENDIX 2

Sampling Logs and Field Observations

Appendix 2 - Field Observations

Coring ID	Location	Depth of Core	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-1/SV-1	60' east of western property line and 180' north of southern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
B-2/SV-2	Central southern portion of site, immediately north of flooded excavation. 90' east of western property line and 90' north of southern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	4'	0.0	No evidence of contamination.
B-3/SV-3	Central portion of property. 122' north of southern property line and 100 east of western property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
B-4/SV-4	60' south of northern property line and 10' east of western property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
B-5/SV-5	Northeastern portion of property. 41' west of eastern property line and 81'south of northern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	3.2	Petroleum odor and dark staining at groundwater interface.
B-6/SV-6	Southern corner of the site. 6' west of the eastern property line and 20' north of southern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
MW-1/B-7	120' east of western property line and 80' south of northern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	2.0	Petroleum odor and dark staining at groundwater interface.
MW-2/B-8	80' west of eastern property line and 102' north of southern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
MW-3/ B-9	22' west of eastern property line and 180' north of southern property line	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	0.0	No evidence of contamination.
B-10	180' north of southern property line and 75' west of eastern property line.	15'	Fill comprised of brown sand, brick fragments, rock fragments and dark sand to 12', then gray silty clay.	9'	1.1	Petroleum odor and dark staining at groundwater interface.

APPENDIX 3

Laboratory Data Deliverables for Soil Analytical Data

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 06/13/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0207

Report Date: 06/13/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0207

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 06, 2013 and listed below. The project was identified as your project: **GA130**.

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
13F0207-01	SW-1	Water	06/06/2013	06/06/2013

General Notes for York Project (SDG) No.: 13F0207

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 result[illegible]ples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 06/13/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
67-64-1	**Acetone**	**13**	B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-09-2	**Methylene chloride**	**19**		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	5.81	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.86	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	6.14	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.20	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	4.12	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	4.45	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.76	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	5.29	23.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.79	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.79	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	5.18	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-57-8	2-Chlorophenol	ND		ug/L	4.21	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	6.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-48-7	2-Methylphenol	ND		ug/L	2.73	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-75-5	2-Nitrophenol	ND		ug/L	5.55	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.64	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.99	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.81	23.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.13	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.45	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
106-47-8	4-Chloroaniline	ND		ug/L	7.01	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	5.76	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-01-6	4-Nitroaniline	ND		ug/L	6.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.91	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
83-32-9	Acenaphthene	ND		ug/L	4.16	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
208-96-8	Acenaphthylene	ND		ug/L	4.09	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
62-53-3	Aniline	ND		ug/L	3.53	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
120-12-7	Anthracene	ND		ug/L	2.80	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	3.08	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	3.06	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	3.32	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	4.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.41	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.00	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	4.16	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.53	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	7.04	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	11.2	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
218-01-9	Chrysene	ND		ug/L	3.46	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.67	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
132-64-9	Dibenzofuran	ND		ug/L	5.67	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
84-66-2	Diethyl phthalate	ND		ug/L	6.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
131-11-3	Dimethyl phthalate	ND		ug/L	4.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.82	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.64	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
206-44-0	Fluoranthene	ND		ug/L	2.92	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
86-73-7	Fluorene	ND		ug/L	4.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
118-74-1	Hexachlorobenzene	ND		ug/L	2.99	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	6.56	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
67-72-1	Hexachloroethane	ND		ug/L	7.15	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	4.00	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
78-59-1	Isophorone	ND		ug/L	6.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-20-3	Naphthalene	ND		ug/L	4.68	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
98-95-3	Nitrobenzene	ND		ug/L	3.98	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.915	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	6.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	11.8	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
87-86-5	Pentachlorophenol	ND		ug/L	3.41	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
85-01-8	Phenanthrene	ND		ug/L	3.22	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
108-95-2	Phenol	ND		ug/L	2.59	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
129-00-0	Pyrene	ND		ug/L	4.07	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	9.20	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-39-3	**Barium**	**0.125**		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-70-2	**Calcium**	**109**		mg/L	0.019	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-89-6	**Iron**	**0.058**		mg/L	0.010	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-92-1	Lead	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-95-4	**Magnesium**	**20.8**		mg/L	0.010	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-96-5	**Manganese**	**0.785**		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-09-7	**Potassium**	**11.0**		mg/L	0.026	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.007	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-23-5	**Sodium**	**107**		mg/L	0.061	0.100	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-66-6	Zinc	ND		mg/L	0.002	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.383**		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-39-3	**Barium**	**0.140**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-70-2	**Calcium**	**109**		mg/L	0.019	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-50-8	**Copper**	**0.006**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-89-6	**Iron**	**2.65**		mg/L	0.010	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-92-1	**Lead**	**0.031**		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-95-4	**Magnesium**	**20.7**		mg/L	0.010	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-96-5	**Manganese**	**0.971**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-09-7	**Potassium**	**10.8**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-23-5	**Sodium**	**105**		mg/L	0.061	0.100	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-66-6	**Zinc**	**0.038**		mg/L	0.002	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA SW846-7470	06/10/2013 09:51	06/10/2013 19:00	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470/EPA 245.1	06/10/2013 09:53	06/10/2013 19:06	AA

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0207-01	SW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, 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.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

13F0207

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. ~~13F0206~~ 6/2/13

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Ecosystems Strategies	Company: Richard	Company: Brenda	GA130	RUSH - Same Day ☐	Summary Report ☒
Address:	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person:	Attention:	Attention:		RUSH - Three Day ☒	CTRCP DQA/DUE Pkg
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ (NY) NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☐	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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): B Hoch

Name (printed): C. Hoch

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 MetCN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full Lab	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-1	6/6/13	GW	Tal Metals Total and Dissolved, SVOCs, VOCs	1x1L 2x250 2x40ml
MW-2				
MW-3				
SW-1		WW		
Trip Blank		GW	VOCs	2x40ml

Comments: SW-1 regular turnaround (no rush)

Preservation (Check that Applicable): 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
B Hoch	6/6/13		
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Grace	6/6/13 1400

Temperature on Receipt: 5.5 °C

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 06/11/2013
Client Project ID: GA13105.20
York Project (SDG) No.: 13F0148

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 06/11/2013
Client Project ID: GA13105.20
York Project (SDG) No.: 13F0148

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 04, 2013 and listed below. The project was identified as your project: **GA13105.20**.

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
13F0148-01	B-1 9'	Soil	05/31/2013	06/04/2013
13F0148-02	B-2 4'	Soil	05/31/2013	06/04/2013
13F0148-03	B-3 2'	Soil	05/31/2013	06/04/2013
13F0148-04	B-3 9'	Soil	05/31/2013	06/04/2013
13F0148-05	B-4 8'	Soil	05/31/2013	06/04/2013
13F0148-06	B-5 9'	Soil	05/31/2013	06/04/2013
13F0148-07	B-6 9'	Soil	05/31/2013	06/04/2013
13F0148-08	B-7 9'	Soil	05/31/2013	06/04/2013
13F0148-09	B-10 9'	Soil	05/31/2013	06/04/2013
13F0148-10	Sp-1	Soil	05/31/2013	06/04/2013

General Notes for York Project (SDG) No.: 13F0148

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 result: ıples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 06/11/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	67	130	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
67-64-1	**Acetone**	**13**	J	ug/kg dry	3.3	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
71-43-2	Benzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
108-86-1	Bromobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-09-2	**Methylene chloride**	**3.7**	J	ug/kg dry	3.3	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
91-20-3	Naphthalene	ND		ug/kg dry	3.3	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.7	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
100-42-5	Styrene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
108-88-3	Toluene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.7	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	20	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 00:35	BK

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	364	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	658	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	318	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	620	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	781	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	511	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	821	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	704	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	845	2010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	445	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	517	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	543	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	332	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	773	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	382	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	877	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	274	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	437	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	527	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1000	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1270	2010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	485	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	678	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	262	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	589	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	416	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	378	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
83-32-9	Acenaphthene	ND		ug/kg dry	364	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	483	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	575	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
120-12-7	Anthracene	ND		ug/kg dry	549	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	376	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	398	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	843	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	334	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	1010	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1010	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	555	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	346	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	513	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	354	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	694	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
218-01-9	Chrysene	ND		ug/kg dry	463	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	404	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	469	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	632	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	449	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	408	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1010	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
206-44-0	Fluoranthene	ND		ug/kg dry	589	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
86-73-7	Fluorene	ND		ug/kg dry	483	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	594	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	340	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	748	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	288	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	459	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
78-59-1	Isophorone	ND		ug/kg dry	346	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
91-20-3	Naphthalene	ND		ug/kg dry	247	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	296	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	412	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	336	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	455	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR

Sample Information

Client Sample ID: B-1 9'

York Sample ID: 13F0148-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		ug/kg dry	758	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
85-01-8	Phenanthrene	ND		ug/kg dry	525	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
108-95-2	Phenol	ND		ug/kg dry	435	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
129-00-0	Pyrene	ND		ug/kg dry	410	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR
110-86-1	Pyridine	ND		ug/kg dry	706	1010	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:29	SR

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
309-00-2	Aldrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	205	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.97	7.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
72-20-8	Endrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	9.96	9.96	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW
1336-36-3	Total PCBs	ND		ug/kg dry	82.1	205	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:43	JW
8001-35-2	Toxaphene	ND		ug/kg dry	101	101	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:24	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4790**		mg/kg dry	1.23	2.41	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-36-0	**Antimony**	**7.29**		mg/kg dry	0.266	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-38-2	**Arsenic**	**5.93**		mg/kg dry	0.410	1.21	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-39-3	**Barium**	**64.0**		mg/kg dry	0.157	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.121	0.121	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.121	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-70-2	**Calcium**	**28400**		mg/kg dry	0.048	6.04	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-47-3	**Chromium**	**11.1**		mg/kg dry	0.145	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-48-4	**Cobalt**	**6.21**		mg/kg dry	0.097	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-50-8	**Copper**	**122**		mg/kg dry	0.145	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7439-89-6	**Iron**	**42900**		mg/kg dry	0.785	2.41	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7439-92-1	**Lead**	**211**		mg/kg dry	0.205	0.362	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7439-95-4	**Magnesium**	**3620**		mg/kg dry	0.543	6.04	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7439-96-5	**Manganese**	**383**		mg/kg dry	0.133	1.21	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-02-0	**Nickel**	**13.7**		mg/kg dry	0.157	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-09-7	**Potassium**	**936**		mg/kg dry	4.08	12.1	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7782-49-2	**Selenium**	**3.56**		mg/kg dry	0.604	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.121	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-23-5	**Sodium**	**349**		mg/kg dry	6.36	12.1	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-28-0	Thallium	ND		mg/kg dry	0.386	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-62-2	**Vanadium**	**13.3**		mg/kg dry	0.133	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW
7440-66-6	**Zinc**	**153**		mg/kg dry	0.109	0.604	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:21	MW

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **13F0148-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0398	0.0398	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**82.8**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	190	370	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
78-93-3	2-Butanone	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
67-64-1	**Acetone**	**49**		ug/kg dry	9.3	37	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
71-43-2	Benzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
108-86-1	Bromobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-25-2	Bromoform	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
74-83-9	Bromomethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-00-3	Chloroethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
67-66-3	Chloroform	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
74-87-3	Chloromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
74-95-3	Dibromomethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-09-2	Methylene chloride	ND		ug/kg dry	9.3	37	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
91-20-3	Naphthalene	ND		ug/kg dry	9.3	37	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	19	37	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
100-42-5	Styrene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
108-88-3	Toluene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.3	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	28	56	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:16	BK

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	378	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	682	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	330	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	642	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	809	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	530	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	851	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	730	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	876	2090	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	461	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	536	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	563	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	344	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	801	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	396	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	909	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	284	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	453	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	547	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1310	2090	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	503	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	703	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	271	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	611	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	432	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	392	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
83-32-9	Acenaphthene	ND		ug/kg dry	378	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	501	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
62-53-3	Aniline	ND		ug/kg dry	597	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
120-12-7	Anthracene	ND		ug/kg dry	569	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	390	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	413	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	874	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	346	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	576	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	359	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	532	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	367	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	720	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
218-01-9	Chrysene	ND		ug/kg dry	480	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	419	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	486	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	655	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	465	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	423	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR

Sample Information

Client Sample ID: B-2 4'

York Sample ID: 13F0148-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
206-44-0	Fluoranthene	ND		ug/kg dry	611	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
86-73-7	Fluorene	ND		ug/kg dry	501	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	615	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	353	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	776	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	298	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	476	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
78-59-1	Isophorone	ND		ug/kg dry	359	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
91-20-3	Naphthalene	ND		ug/kg dry	257	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	307	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	428	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	348	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	471	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	786	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
85-01-8	Phenanthrene	ND		ug/kg dry	544	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
108-95-2	Phenol	ND		ug/kg dry	451	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
129-00-0	Pyrene	ND		ug/kg dry	426	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR
110-86-1	Pyridine	ND		ug/kg dry	732	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 00:58	SR

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
309-00-2	Aldrin	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/kg dry	21.3	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
57-74-9	Chlordane, total	ND		ug/kg dry	8.26	8.26	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
72-20-8	Endrin	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.07	2.07	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	10.3	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.51	21.3	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:35	JW
8001-35-2	Toxaphene	ND		ug/kg dry	105	105	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:02	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4220**		mg/kg dry	1.28	2.50	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-36-0	**Antimony**	**0.785**		mg/kg dry	0.275	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-38-2	**Arsenic**	**4.03**		mg/kg dry	0.426	1.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-39-3	**Barium**	**39.5**		mg/kg dry	0.163	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.125	0.125	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.125	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-70-2	**Calcium**	**7880**		mg/kg dry	0.050	6.26	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-47-3	**Chromium**	**22.0**		mg/kg dry	0.150	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-48-4	**Cobalt**	**4.63**		mg/kg dry	0.100	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-50-8	**Copper**	**26.8**		mg/kg dry	0.150	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7439-89-6	**Iron**	**9270**		mg/kg dry	0.814	2.50	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7439-92-1	**Lead**	**68.1**		mg/kg dry	0.213	0.375	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7439-95-4	**Magnesium**	**1920**		mg/kg dry	0.563	6.26	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW

Sample Information

Client Sample ID: **B-2 4'** **York Sample ID:** **13F0148-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**105**		mg/kg dry	0.138	1.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-02-0	**Nickel**	**10.2**		mg/kg dry	0.163	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-09-7	**Potassium**	**722**		mg/kg dry	4.23	12.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7782-49-2	**Selenium**	**2.20**		mg/kg dry	0.626	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.125	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-23-5	**Sodium**	**270**		mg/kg dry	6.60	12.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-28-0	Thallium	ND		mg/kg dry	0.401	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-62-2	**Vanadium**	**12.1**		mg/kg dry	0.138	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW
7440-66-6	**Zinc**	**49.7**		mg/kg dry	0.113	0.626	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:26	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0413	0.0413	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**79.9**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
67-64-1	**Acetone**	**11**		ug/kg dry	2.7	11	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-09-2	**Methylene chloride**	**3.0**	J	ug/kg dry	2.7	11	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 01:56	BK

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	63.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	114	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	55.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	108	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	136	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	88.9	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	143	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	122	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	147	350	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	77.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	89.9	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	94.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	57.7	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	134	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	66.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	153	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.6	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	75.9	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	91.7	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	174	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	220	350	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	84.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	118	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	103	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	72.4	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	65.8	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
83-32-9	Acenaphthene	ND		ug/kg dry	63.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	84.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
62-53-3	Aniline	ND		ug/kg dry	100	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
120-12-7	Anthracene	ND		ug/kg dry	95.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
56-55-3	**Benzo(a)anthracene**	**347**		ug/kg dry	65.4	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
50-32-8	**Benzo(a)pyrene**	**446**		ug/kg dry	69.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	**Benzo(b)fluoranthene**	**571**		ug/kg dry	147	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
191-24-2	**Benzo(g,h,i)perylene**	**158**	J	ug/kg dry	58.1	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
207-08-9	**Benzo(k)fluoranthene**	**375**		ug/kg dry	175	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	175	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	96.6	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	60.2	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	89.2	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	61.6	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	121	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
218-01-9	**Chrysene**	**457**		ug/kg dry	80.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	70.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	81.5	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	110	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	78.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	71.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	175	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
206-44-0	**Fluoranthene**	**687**		ug/kg dry	103	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
86-73-7	Fluorene	ND		ug/kg dry	84.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	103	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	59.1	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**166**	J	ug/kg dry	79.8	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
78-59-1	Isophorone	ND		ug/kg dry	60.2	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.0	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	51.4	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.7	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	58.4	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	79.1	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	132	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
85-01-8	Phenanthrene	ND		ug/kg dry	91.3	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
108-95-2	Phenol	ND		ug/kg dry	75.6	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR
129-00-0	**Pyrene**	**539**		ug/kg dry	71.4	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR

Sample Information

Client Sample ID: B-3 2'

York Sample ID: 13F0148-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/kg dry	123	175	1	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:27	SR

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.93	6.93	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.66	8.66	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.14	17.8	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 21:55	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.7	87.7	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:17	JW

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3890**		mg/kg dry	1.07	2.10	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-36-0	Antimony	ND		mg/kg dry	0.231	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-38-2	**Arsenic**	**1.65**		mg/kg dry	0.357	1.05	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-39-3	**Barium**	**37.7**		mg/kg dry	0.136	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.105	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-70-2	**Calcium**	**2480**		mg/kg dry	0.042	5.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-47-3	**Chromium**	**9.19**		mg/kg dry	0.126	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-48-4	**Cobalt**	**4.18**		mg/kg dry	0.084	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-50-8	**Copper**	**21.5**		mg/kg dry	0.126	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7439-89-6	**Iron**	**8190**		mg/kg dry	0.682	2.10	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7439-92-1	**Lead**	**20.7**		mg/kg dry	0.178	0.315	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7439-95-4	**Magnesium**	**1980**		mg/kg dry	0.472	5.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7439-96-5	**Manganese**	**264**		mg/kg dry	0.115	1.05	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-02-0	**Nickel**	**8.54**		mg/kg dry	0.136	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-09-7	**Potassium**	**642**		mg/kg dry	3.55	10.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7782-49-2	**Selenium**	**1.43**		mg/kg dry	0.525	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-22-4	Silver	ND		mg/kg dry	0.105	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-23-5	**Sodium**	**203**		mg/kg dry	5.53	10.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-28-0	Thallium	ND		mg/kg dry	0.336	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-62-2	**Vanadium**	**10.2**		mg/kg dry	0.115	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW
7440-66-6	**Zinc**	**33.7**		mg/kg dry	0.094	0.525	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:31	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0346	0.0346	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Sample Information

Client Sample ID: **B-3 2'** **York Sample ID:** **13F0148-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**95.3**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **13F0148-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	63	130	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **13F0148-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	**2-Butanone**	**13**		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
67-64-1	**Acetone**	**51**		ug/kg dry	3.1	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
71-43-2	Benzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
108-86-1	Bromobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-25-2	Bromoform	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-09-2	**Methylene chloride**	**5.5**	J	ug/kg dry	3.1	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
91-20-3	Naphthalene	ND		ug/kg dry	3.1	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.3	13	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
100-42-5	Styrene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK

Sample Information

Client Sample ID: B-3 9'

York Sample ID: 13F0148-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
108-88-3	Toluene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.1	6.3	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.4	19	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 02:37	BK

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	361	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	652	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	315	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	614	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	774	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	507	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	814	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	698	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	838	1990	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	441	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	513	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	539	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	329	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	766	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	379	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	870	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	271	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	433	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	523	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	991	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **13F0148-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1260	1990	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	481	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	672	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	259	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	584	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	413	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	375	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
83-32-9	Acenaphthene	ND		ug/kg dry	361	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	479	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
62-53-3	Aniline	ND		ug/kg dry	570	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
120-12-7	Anthracene	ND		ug/kg dry	545	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	373	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	395	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	836	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	331	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	997	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	997	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	550	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	343	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	509	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	351	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	688	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
218-01-9	Chrysene	ND		ug/kg dry	459	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	401	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	465	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	626	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	445	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	405	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	997	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
206-44-0	Fluoranthene	ND		ug/kg dry	584	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
86-73-7	Fluorene	ND		ug/kg dry	479	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	588	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	337	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR

Sample Information

Client Sample ID: B-3 9'

York Sample ID: 13F0148-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	742	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	285	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	455	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
78-59-1	Isophorone	ND		ug/kg dry	343	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
91-20-3	Naphthalene	ND		ug/kg dry	245	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	293	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	409	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	333	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	451	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	752	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
85-01-8	Phenanthrene	ND		ug/kg dry	521	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
108-95-2	Phenol	ND		ug/kg dry	431	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
129-00-0	Pyrene	ND		ug/kg dry	407	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR
110-86-1	Pyridine	ND		ug/kg dry	700	997	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 01:56	SR

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
309-00-2	Aldrin	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	203	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.90	7.90	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **13F0148-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
72-20-8	Endrin	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.87	9.87	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW
1336-36-3	Total PCBs	ND		ug/kg dry	81.4	203	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:02	JW
8001-35-2	Toxaphene	ND		ug/kg dry	99.9	99.9	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:40	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5450**		mg/kg dry	1.22	2.39	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-36-0	Antimony	ND		mg/kg dry	0.263	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-38-2	**Arsenic**	**3.71**		mg/kg dry	0.407	1.20	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-39-3	**Barium**	**60.3**		mg/kg dry	0.156	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.120	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-70-2	**Calcium**	**33600**		mg/kg dry	0.048	5.98	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-47-3	**Chromium**	**7.63**		mg/kg dry	0.144	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-48-4	**Cobalt**	**4.30**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-50-8	**Copper**	**107**		mg/kg dry	0.144	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7439-89-6	**Iron**	**10500**		mg/kg dry	0.778	2.39	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7439-92-1	**Lead**	**62.9**		mg/kg dry	0.203	0.359	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7439-95-4	**Magnesium**	**5690**		mg/kg dry	0.539	5.98	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7439-96-5	**Manganese**	**193**		mg/kg dry	0.132	1.20	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-02-0	**Nickel**	**8.84**		mg/kg dry	0.156	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-09-7	**Potassium**	**736**		mg/kg dry	4.04	12.0	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7782-49-2	**Selenium**	**1.33**		mg/kg dry	0.598	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-22-4	Silver	ND		mg/kg dry	0.120	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **13F0148-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**314**		mg/kg dry	6.31	12.0	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-28-0	Thallium	ND		mg/kg dry	0.383	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-62-2	**Vanadium**	**12.2**		mg/kg dry	0.132	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW
7440-66-6	**Zinc**	**161**		mg/kg dry	0.108	0.598	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:36	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0395	0.0395	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.6**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	220	450	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
78-93-3	2-Butanone	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
67-64-1	**Acetone**	**41**	J	ug/kg dry	11	45	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
71-43-2	Benzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
108-86-1	Bromobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-25-2	Bromoform	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
74-83-9	Bromomethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-00-3	Chloroethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
67-66-3	Chloroform	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
74-87-3	Chloromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
74-95-3	Dibromomethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-09-2	**Methylene chloride**	**15**	J	ug/kg dry	11	45	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
91-20-3	Naphthalene	ND		ug/kg dry	11	45	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
95-47-6	o-Xylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	22	45	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
100-42-5	Styrene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
108-88-3	Toluene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	33	67	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:17	BK

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	357	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
95-50-1	**1,2-Dichlorobenzene**	**727**	J	ug/kg dry	646	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	312	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	608	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	766	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	501	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	806	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	691	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	829	1970	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	436	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	507	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	533	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	326	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	758	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	375	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	861	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	269	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	428	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	517	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	981	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1240	1970	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	476	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	665	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	257	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	578	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	409	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	371	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
83-32-9	Acenaphthene	ND		ug/kg dry	357	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	474	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
62-53-3	Aniline	ND		ug/kg dry	565	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
120-12-7	Anthracene	ND		ug/kg dry	539	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	369	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
50-32-8	**Benzo(a)pyrene**	**395**	J	ug/kg dry	391	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	827	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	328	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	987	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	987	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	545	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	340	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	503	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	347	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	681	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
218-01-9	**Chrysene**	**517**	J	ug/kg dry	454	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	397	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	460	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	620	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	440	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	401	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	987	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
206-44-0	**Fluoranthene**	**839**	J	ug/kg dry	578	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
86-73-7	Fluorene	ND		ug/kg dry	474	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	582	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	334	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	734	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	282	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	450	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
78-59-1	Isophorone	ND		ug/kg dry	340	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
91-20-3	Naphthalene	ND		ug/kg dry	243	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	290	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	405	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	330	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	446	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	744	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
85-01-8	**Phenanthrene**	**1180**		ug/kg dry	515	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
108-95-2	Phenol	ND		ug/kg dry	426	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR
129-00-0	**Pyrene**	**748**	J	ug/kg dry	403	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/kg dry	693	987	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:26	SR

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.82	7.82	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.77	9.77	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.06	20.1	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:14	JW
8001-35-2	Toxaphene	ND		ug/kg dry	98.9	98.9	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:33	JW

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5380**		mg/kg dry	1.21	2.37	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-36-0	Antimony	ND		mg/kg dry	0.261	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-38-2	**Arsenic**	**2.93**		mg/kg dry	0.403	1.18	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-39-3	**Barium**	**39.5**		mg/kg dry	0.154	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.118	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-70-2	**Calcium**	**2440**		mg/kg dry	0.047	5.92	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-47-3	**Chromium**	**11.6**		mg/kg dry	0.142	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-48-4	**Cobalt**	**6.23**		mg/kg dry	0.095	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-50-8	**Copper**	**36.3**		mg/kg dry	0.142	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7439-89-6	**Iron**	**10400**		mg/kg dry	0.770	2.37	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7439-92-1	**Lead**	**78.3**		mg/kg dry	0.201	0.355	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7439-95-4	**Magnesium**	**2990**		mg/kg dry	0.533	5.92	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7439-96-5	**Manganese**	**67.1**		mg/kg dry	0.130	1.18	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-02-0	**Nickel**	**11.7**		mg/kg dry	0.154	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-09-7	**Potassium**	**1410**		mg/kg dry	4.00	11.8	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7782-49-2	**Selenium**	**1.68**		mg/kg dry	0.592	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-22-4	Silver	ND		mg/kg dry	0.118	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-23-5	**Sodium**	**200**		mg/kg dry	6.24	11.8	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-28-0	Thallium	ND		mg/kg dry	0.379	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-62-2	**Vanadium**	**20.2**		mg/kg dry	0.130	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW
7440-66-6	**Zinc**	**95.8**		mg/kg dry	0.107	0.592	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:41	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0391	0.0391	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Sample Information

Client Sample ID: **B-4 8'** **York Sample ID:** **13F0148-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.4**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	13000	26000	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
67-64-1	**Acetone**	**1900**	J	ug/kg dry	650	2600	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
71-43-2	Benzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
108-86-1	Bromobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-25-2	Bromoform	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
74-83-9	Bromomethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-00-3	Chloroethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
67-66-3	Chloroform	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
74-87-3	Chloromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
74-95-3	Dibromomethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-09-2	**Methylene chloride**	**1400**	J	ug/kg dry	650	2600	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
91-20-3	Naphthalene	ND		ug/kg dry	650	2600	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
95-47-6	o-Xylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	1300	2600	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
100-42-5	Styrene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK

Sample Information

Client Sample ID: B-5 9'

York Sample ID: 13F0148-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
108-88-3	Toluene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	650	1300	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	2000	3900	100	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 03:57	BK

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	322	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	581	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	281	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	548	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	690	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	452	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	726	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	622	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	747	1780	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	393	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	457	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	480	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	293	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	683	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	338	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	775	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	242	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	386	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	466	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	884	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1120	1780	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	429	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	599	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	231	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	521	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	368	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	334	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
83-32-9	Acenaphthene	ND		ug/kg dry	322	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	427	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
62-53-3	Aniline	ND		ug/kg dry	509	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
120-12-7	Anthracene	ND		ug/kg dry	485	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
56-55-3	**Benzo(a)anthracene**	**1450**		ug/kg dry	333	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
50-32-8	**Benzo(a)pyrene**	**1470**		ug/kg dry	352	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
205-99-2	**Benzo(b)fluoranthene**	**1650**		ug/kg dry	745	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
191-24-2	**Benzo(g,h,i)perylene**	**503**	J	ug/kg dry	295	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
207-08-9	**Benzo(k)fluoranthene**	**1030**		ug/kg dry	889	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	889	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	491	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	306	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	453	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	313	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	613	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
218-01-9	**Chrysene**	**1540**		ug/kg dry	409	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	357	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	414	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	558	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	397	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	361	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	889	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
206-44-0	**Fluoranthene**	**2770**		ug/kg dry	521	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
86-73-7	Fluorene	ND		ug/kg dry	427	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	525	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	301	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	662	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	254	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**496**	J	ug/kg dry	405	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
78-59-1	Isophorone	ND		ug/kg dry	306	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
91-20-3	Naphthalene	ND		ug/kg dry	219	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	261	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	365	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	297	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	402	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	670	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
85-01-8	**Phenanthrene**	**1540**		ug/kg dry	464	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
108-95-2	Phenol	ND		ug/kg dry	384	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
129-00-0	**Pyrene**	**2110**		ug/kg dry	363	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR
110-86-1	Pyridine	ND		ug/kg dry	624	889	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 02:55	SR

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	181	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.04	7.04	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.80	8.80	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW
1336-36-3	Total PCBs	ND		ug/kg dry	72.6	181	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:22	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.1	89.1	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 15:55	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5230**		mg/kg dry	1.09	2.13	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-36-0	**Antimony**	**3.90**		mg/kg dry	0.235	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-38-2	**Arsenic**	**13.6**		mg/kg dry	0.363	1.07	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-39-3	**Barium**	**181**		mg/kg dry	0.139	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-43-9	**Cadmium**	**0.823**		mg/kg dry	0.107	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-70-2	**Calcium**	**12100**		mg/kg dry	0.043	5.33	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-47-3	**Chromium**	**24.5**		mg/kg dry	0.128	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-48-4	**Cobalt**	**7.75**		mg/kg dry	0.085	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-50-8	**Copper**	**189**		mg/kg dry	0.128	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7439-89-6	**Iron**	**28400**		mg/kg dry	0.694	2.13	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7439-92-1	**Lead**	**180**		mg/kg dry	0.181	0.320	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7439-95-4	**Magnesium**	**3970**		mg/kg dry	0.480	5.33	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7439-96-5	**Manganese**	**332**		mg/kg dry	0.117	1.07	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-02-0	**Nickel**	**34.5**		mg/kg dry	0.139	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-09-7	**Potassium**	**1050**		mg/kg dry	3.61	10.7	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7782-49-2	**Selenium**	**2.81**		mg/kg dry	0.533	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW

Sample Information

Client Sample ID: **B-5 9'** **York Sample ID:** **13F0148-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**313**		mg/kg dry	5.62	10.7	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-28-0	Thallium	ND		mg/kg dry	0.341	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-62-2	**Vanadium**	**18.4**		mg/kg dry	0.117	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW
7440-66-6	**Zinc**	**275**		mg/kg dry	0.096	0.533	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 22:58	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0352	0.0352	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**93.7**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	120	250	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
78-93-3	2-Butanone	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
67-64-1	**Acetone**	**28**		ug/kg dry	6.2	25	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
71-43-2	Benzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
108-86-1	Bromobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-25-2	Bromoform	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
74-83-9	Bromomethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-00-3	Chloroethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
67-66-3	Chloroform	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
74-87-3	Chloromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
74-95-3	Dibromomethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-09-2	**Methylene chloride**	**11**	J	ug/kg dry	6.2	25	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
91-20-3	Naphthalene	ND		ug/kg dry	6.2	25	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
95-47-6	o-Xylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	12	25	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
100-42-5	Styrene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
108-88-3	Toluene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	6.2	12	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	19	37	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 04:38	BK

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	376	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	680	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	329	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	641	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	807	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	528	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	849	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	728	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	874	2080	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	460	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	535	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	562	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	343	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	799	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	395	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	907	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	283	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	451	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	545	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1030	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1310	2080	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	501	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	701	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	270	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	609	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	431	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	391	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
83-32-9	Acenaphthene	ND		ug/kg dry	376	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	499	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
62-53-3	Aniline	ND		ug/kg dry	595	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
120-12-7	Anthracene	ND		ug/kg dry	568	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	389	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	412	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	872	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	345	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	574	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	358	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	530	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	366	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	718	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
218-01-9	Chrysene	ND		ug/kg dry	478	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	418	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	485	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	653	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	464	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	422	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1040	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
206-44-0	Fluoranthene	ND		ug/kg dry	609	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
86-73-7	Fluorene	ND		ug/kg dry	499	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	614	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	352	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	774	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	297	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	474	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
78-59-1	Isophorone	ND		ug/kg dry	358	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
91-20-3	Naphthalene	ND		ug/kg dry	256	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	306	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	426	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	347	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	470	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	784	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
85-01-8	Phenanthrene	ND		ug/kg dry	543	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
108-95-2	Phenol	ND		ug/kg dry	449	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR
129-00-0	Pyrene	ND		ug/kg dry	424	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/kg dry	730	1040	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:24	SR

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
309-00-2	Aldrin	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	21.2	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
57-74-9	Chlordane, total	ND		ug/kg dry	8.24	8.24	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
72-20-8	Endrin	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.06	2.06	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	10.3	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.49	21.2	1	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 22:34	JW
8001-35-2	Toxaphene	ND		ug/kg dry	104	104	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/10/2013 18:48	JW

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2380**		mg/kg dry	1.27	2.50	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-36-0	**Antimony**	**0.678**		mg/kg dry	0.275	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-38-2	**Arsenic**	**8.46**		mg/kg dry	0.424	1.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-39-3	**Barium**	**95.9**		mg/kg dry	0.162	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.125	0.125	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.125	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-70-2	**Calcium**	**6540**		mg/kg dry	0.050	6.24	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-47-3	**Chromium**	**6.18**		mg/kg dry	0.150	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-48-4	**Cobalt**	**3.50**		mg/kg dry	0.100	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-50-8	**Copper**	**60.9**		mg/kg dry	0.150	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7439-89-6	**Iron**	**11000**		mg/kg dry	0.811	2.50	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7439-92-1	**Lead**	**194**		mg/kg dry	0.212	0.374	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7439-95-4	**Magnesium**	**984**		mg/kg dry	0.562	6.24	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7439-96-5	**Manganese**	**334**		mg/kg dry	0.137	1.25	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-02-0	**Nickel**	**10.2**		mg/kg dry	0.162	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-09-7	**Potassium**	**404**		mg/kg dry	4.22	12.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7782-49-2	**Selenium**	**3.23**		mg/kg dry	0.624	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-22-4	Silver	ND		mg/kg dry	0.125	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-23-5	**Sodium**	**220**		mg/kg dry	6.58	12.5	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-28-0	Thallium	ND		mg/kg dry	0.399	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-62-2	**Vanadium**	**11.3**		mg/kg dry	0.137	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW
7440-66-6	**Zinc**	**90.0**		mg/kg dry	0.112	0.624	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:03	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0412	0.0412	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Sample Information

Client Sample ID: **B-6 9'** **York Sample ID:** **13F0148-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**80.1**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-7 9'** **York Sample ID:** **13F0148-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	72	140	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK

Sample Information

Client Sample ID: **B-7 9'** **York Sample ID:** **13F0148-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
67-64-1	**Acetone**	**16**		ug/kg dry	3.6	14	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
71-43-2	Benzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
108-86-1	Bromobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-25-2	Bromoform	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
67-66-3	Chloroform	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-09-2	**Methylene chloride**	**4.6**	J	ug/kg dry	3.6	14	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
91-20-3	Naphthalene	ND		ug/kg dry	3.6	14	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.2	14	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
100-42-5	Styrene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK

Sample Information

Client Sample ID: B-7 9'

York Sample ID: 13F0148-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
108-88-3	Toluene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.6	7.2	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:18	BK

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	722	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
83-32-9	Acenaphthene	ND		ug/kg dry	340	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	451	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
120-12-7	Anthracene	ND		ug/kg dry	513	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	351	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	372	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	787	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	312	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	940	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
218-01-9	Chrysene	ND		ug/kg dry	432	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	378	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
206-44-0	Fluoranthene	ND		ug/kg dry	551	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
86-73-7	Fluorene	ND		ug/kg dry	451	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	428	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
91-20-3	Naphthalene	ND		ug/kg dry	231	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
85-01-8	Phenanthrene	ND		ug/kg dry	490	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR
129-00-0	Pyrene	ND		ug/kg dry	383	940	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 03:54	SR

Sample Information

Client Sample ID: **B-7 9'** **York Sample ID:** **13F0148-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**88.7**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **B-10 9'** **York Sample ID:** **13F0148-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	78	160	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK

Sample Information

Client Sample ID: **B-10 9'** **York Sample ID:** **13F0148-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
67-64-1	**Acetone**	**70**		ug/kg dry	3.9	16	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
71-43-2	Benzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
108-86-1	Bromobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-25-2	Bromoform	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
67-66-3	Chloroform	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-09-2	**Methylene chloride**	**7.0**	J	ug/kg dry	3.9	16	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
91-20-3	**Naphthalene**	**510**	E	ug/kg dry	3.9	16	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.8	16	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
99-87-6	**p-Isopropyltoluene**	**200**		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
100-42-5	Styrene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK

Sample Information

Client Sample ID: **B-10 9'** **York Sample ID:** **13F0148-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
108-88-3	Toluene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.9	7.8	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	24	1	EPA SW846-8260B	06/06/2013 12:15	06/07/2013 05:59	BK

Semi-Volatiles, PAH Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	3870	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
83-32-9	**Acenaphthene**	**4550**	J	ug/kg dry	1830	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	2420	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
120-12-7	Anthracene	ND		ug/kg dry	2750	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	1890	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	2000	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	4230	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1670	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	5040	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
218-01-9	Chrysene	ND		ug/kg dry	2320	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	2030	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
206-44-0	**Fluoranthene**	**10400**		ug/kg dry	2960	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
86-73-7	**Fluorene**	**3310**	J	ug/kg dry	2420	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	2300	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
91-20-3	Naphthalene	ND		ug/kg dry	1240	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
85-01-8	Phenanthrene	ND		ug/kg dry	2630	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR
129-00-0	**Pyrene**	**8430**		ug/kg dry	2060	5040	20	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:23	SR

Sample Information

Client Sample ID: **B-10 9'** **York Sample ID:** **13F0148-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**66.1**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Sample Information

Client Sample ID: **Sp-1** **York Sample ID:** **13F0148-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	120	230	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK

Sample Information

Client Sample ID: **Sp-1** **York Sample ID:** **13F0148-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
67-64-1	Acetone	ND		ug/kg dry	5.8	23	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
71-43-2	Benzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
108-86-1	Bromobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-25-2	Bromoform	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
74-83-9	Bromomethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-00-3	Chloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
67-66-3	Chloroform	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
74-87-3	Chloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
74-95-3	Dibromomethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.8	23	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
91-20-3	Naphthalene	ND		ug/kg dry	5.8	23	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
95-47-6	o-Xylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	12	23	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
100-42-5	Styrene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK

Sample Information

Client Sample ID: Sp-1 **York Sample ID:** 13F0148-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
108-88-3	Toluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	18	35	1	EPA SW846-8260B	06/07/2013 10:30	06/07/2013 14:50	BK

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	337	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	609	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	294	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	574	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	723	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	473	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	760	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	652	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	782	1860	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	412	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	479	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	503	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	307	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	715	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	354	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	812	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	253	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	404	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	488	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	926	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR

Sample Information

Client Sample ID: **Sp-1** **York Sample ID:** **13F0148-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1170	1860	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	449	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	628	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	242	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	546	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	386	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	350	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
83-32-9	Acenaphthene	ND		ug/kg dry	337	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	447	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
62-53-3	Aniline	ND		ug/kg dry	533	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
120-12-7	Anthracene	ND		ug/kg dry	508	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
56-55-3	**Benzo(a)anthracene**	**501**	J	ug/kg dry	348	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
50-32-8	**Benzo(a)pyrene**	**814**	J	ug/kg dry	369	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	780	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	309	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	931	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	931	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	514	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	320	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	475	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	328	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	643	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
218-01-9	**Chrysene**	**872**	J	ug/kg dry	428	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	374	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	434	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	585	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	415	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	378	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	931	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
206-44-0	**Fluoranthene**	**827**	J	ug/kg dry	546	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
86-73-7	Fluorene	ND		ug/kg dry	447	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	549	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	315	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR

Sample Information

Client Sample ID: Sp-1 **York Sample ID:** 13F0148-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	693	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	266	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	425	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
78-59-1	Isophorone	ND		ug/kg dry	320	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
91-20-3	Naphthalene	ND		ug/kg dry	229	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	274	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	382	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	311	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	421	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	702	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
85-01-8	Phenanthrene	ND		ug/kg dry	486	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
108-95-2	Phenol	ND		ug/kg dry	402	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
129-00-0	**Pyrene**	**803**	J	ug/kg dry	380	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR
110-86-1	Pyridine	ND		ug/kg dry	654	931	5	EPA SW-846 8270C	06/07/2013 11:05	06/08/2013 04:53	SR

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	190	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.38	7.38	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW

Sample Information

Client Sample ID: **Sp-1** **York Sample ID:** **13F0148-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Pesticides/PCBs, EPA 8081/8082 List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.22	9.22	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW
1336-36-3	Total PCBs	ND		ug/kg dry	76.0	190	10	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:39	JW
8001-35-2	Toxaphene	ND		ug/kg dry	93.3	93.3	5	EPA SW 846-8081/8082	06/07/2013 06:22	06/11/2013 16:10	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7790**		mg/kg dry	1.14	2.24	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-36-0	Antimony	ND		mg/kg dry	0.246	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-38-2	**Arsenic**	**4.27**		mg/kg dry	0.380	1.12	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-39-3	**Barium**	**136**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.112	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-70-2	**Calcium**	**22000**		mg/kg dry	0.045	5.59	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-47-3	**Chromium**	**19.5**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-48-4	**Cobalt**	**8.34**		mg/kg dry	0.089	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-50-8	**Copper**	**58.3**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7439-89-6	**Iron**	**17400**		mg/kg dry	0.726	2.24	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7439-92-1	**Lead**	**110**		mg/kg dry	0.190	0.335	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7439-95-4	**Magnesium**	**5840**		mg/kg dry	0.503	5.59	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7439-96-5	**Manganese**	**249**		mg/kg dry	0.123	1.12	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-02-0	**Nickel**	**18.8**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-09-7	**Potassium**	**2820**		mg/kg dry	3.78	11.2	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7782-49-2	**Selenium**	**2.07**		mg/kg dry	0.559	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-22-4	Silver	ND		mg/kg dry	0.112	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW

Sample Information

Client Sample ID: **Sp-1** **York Sample ID:** **13F0148-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0148	GA13105.20	Soil	May 31, 2013 3:00 pm	06/04/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**253**		mg/kg dry	5.89	11.2	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-28-0	Thallium	ND		mg/kg dry	0.358	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-62-2	**Vanadium**	**24.9**		mg/kg dry	0.123	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW
7440-66-6	**Zinc**	**154**		mg/kg dry	0.101	0.559	1	EPA SW846-6010B	06/06/2013 17:45	06/06/2013 23:08	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0369	0.0369	1	EPA SW846-7471	06/06/2013 13:03	06/07/2013 11:33	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.5**		%	0.100	0.100	1	SM 2540G	06/06/2013 14:25	06/11/2013 12:36	AMC

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0148-01	B-1 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-02	B-2 4'	40mL Vial with Stir Bar-Cool 4° C
13F0148-03	B-3 2'	40mL Vial with Stir Bar-Cool 4° C
13F0148-04	B-3 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-05	B-4 8'	40mL Vial with Stir Bar-Cool 4° C
13F0148-06	B-5 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-07	B-6 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-08	B-7 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-09	B-10 9'	40mL Vial with Stir Bar-Cool 4° C
13F0148-10	Sp-1	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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); therefore, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL 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.

Page 1 of 1
13F0148
York Project No. 13F0128

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems	Company: Richard	Company: Brenda	GA13105.20	RUSH - Same Day ☐	Summary Report ☒
Address: Saratoga	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
				RUSH - Two Day ☐	CT RCP Package
Phone No.	Phone No.	Phone No.		RUSH - Three Day ☐	NY ASP A Package
Contact Person:	Attention:	Attention:		RUSH - Four Day ☐	NY ASP B Package
					Electronic Deliverables:
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT NY NJ	Standard(5-7 Days) ☐	EDD (Specify Type)
					Excel

Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): B A Hooker

Name (printed): R Hooker

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	Common Miscellaneous Parameters			Special Instructions
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color	Field Filtered ☐
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols	Lab to Filter ☐
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL.MetCN	Ignitability	TKN	Cyanide-T	
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A	
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5	
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs	Chloride	CBOD5	
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX	Phosphate	BOD28	
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded Not Known Future	BTU/lb.	Tot. Phos.	COD	
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS	
Halog.only	NJDEP list	App. IX	Chlordane	Indg.Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids	
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS	
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664	

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-1 0-2	5/31/13	S	Hold	8oz + 4x 40ml
B-1 9'				
B-2 0-2				
B-2 4'				
B3 0-2				
B3 9'				
B4 0-2				
B4 8'				
B5 0-2				
B5 9'				

Comments

Preservation Check those Applicable: °C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
R Hooker	6/4/13 11:00	Chris C	6-4-13 11:00
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Trace	6-4-13 15:30

Temperature on Receipt: 3.4°C

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.

Page 1 of ____

York Project No. 13F0148 13F0130

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems strategies	Company: ~~Atlantic~~	Company: ~~[illegible]~~	GA13105.20	RUSH - Same Day ☐	Summary Report X
Address:	Address: ~~Atlantic~~ Richard Hooker	Address: Brenda	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person:	Attention:	Attention:		RUSH - Three Day ☒	NY ASP A Package
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT (NY) NJ	RUSH - Four Day ☐	NY ASP B Package
				Standard(5-7 Days) ☐	*Electronic Deliverables:* EDD (Specify Type) Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): B Atlantic

Name (printed): R. Hooker

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	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCList	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Reactive	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Ignitable	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Corrosive for Ocean Dumping	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Corrosive Fed Reg	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC	E.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

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)
B6 0-2	5/31/13	S	Hold	8oz + 4oz
B6 9'				
B7 9'				
B 10 9'				
SP-1				
DUP				

Comments

Preservation Check those Applicable: 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
R Hooker	6/4/13 11:00	Chris	6-4-13 11:00
		P Grace	6-4-13 1530
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.4°C

APPENDIX 4

Laboratory Data Deliverables for Groundwater Analytical Data

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 06/11/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0206

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 06/11/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0206

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 06, 2013 and listed below. The project was identified as your project: **GA130**.

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
13F0206-01	MW-1	Water	06/06/2013	06/06/2013
13F0206-02	MW-2	Water	06/06/2013	06/06/2013
13F0206-03	MW-3	Water	06/06/2013	06/06/2013
13F0206-04	Trip Blank	Water	06/06/2013	06/06/2013

General Notes for York Project (SDG) No.: 13F0206

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:** 06/11/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**3.2**	J	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-09-2	**Methylene chloride**	**3.2**	J, B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 16:35	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.53	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.56	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.73	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.16	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.73	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.29	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.21	14.3	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.14	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.94	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
95-48-7	2-Methylphenol	ND		ug/L	1.66	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.37	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.60	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.81	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.31	14.3	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.90	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
106-47-8	4-Chloroaniline	ND		ug/L	4.26	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.50	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.83	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.37	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
83-32-9	Acenaphthene	ND		ug/L	2.53	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
208-96-8	Acenaphthylene	ND		ug/L	2.49	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
62-53-3	Aniline	ND		ug/L	2.14	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
120-12-7	Anthracene	ND		ug/L	1.70	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.87	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.86	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.01	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.44	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.61	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.07	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.22	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.53	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.14	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.27	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	6.83	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
218-01-9	Chrysene	ND		ug/L	2.10	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.23	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
132-64-9	Dibenzofuran	ND		ug/L	3.44	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.66	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.73	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.93	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.60	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
206-44-0	Fluoranthene	ND		ug/L	1.77	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
86-73-7	Fluorene	ND		ug/L	2.61	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.81	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.99	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.61	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
67-72-1	Hexachloroethane	ND		ug/L	4.34	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.43	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
78-59-1	Isophorone	ND		ug/L	3.83	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
91-20-3	Naphthalene	ND		ug/L	2.84	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
98-95-3	Nitrobenzene	ND		ug/L	2.41	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.66	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	7.14	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
87-86-5	Pentachlorophenol	ND		ug/L	2.07	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
85-01-8	Phenanthrene	ND		ug/L	1.96	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
108-95-2	Phenol	ND		ug/L	1.57	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR
129-00-0	Pyrene	ND		ug/L	2.47	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	5.59	7.14	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 19:50	SR

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-39-3	**Barium**	**0.080**		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-70-2	**Calcium**	**133**		mg/L	0.019	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7439-89-6	**Iron**	**0.172**		mg/L	0.010	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7439-92-1	Lead	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7439-95-4	**Magnesium**	**31.4**		mg/L	0.010	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7439-96-5	**Manganese**	**1.13**		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-09-7	**Potassium**	**9.09**		mg/L	0.026	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7782-49-2	**Selenium**	**0.017**		mg/L	0.007	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-23-5	**Sodium**	**170**		mg/L	0.061	0.100	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW
7440-66-6	Zinc	ND		mg/L	0.002	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:14	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.066**		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-39-3	**Barium**	**0.135**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **13F0206-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-70-2	**Calcium**	**135**		mg/L	0.019	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7439-89-6	**Iron**	**15.6**		mg/L	0.010	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7439-92-1	**Lead**	**0.008**		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7439-95-4	**Magnesium**	**30.6**		mg/L	0.010	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7439-96-5	**Manganese**	**1.16**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-09-7	**Potassium**	**9.72**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-23-5	**Sodium**	**172**		mg/L	0.061	0.100	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW
7440-66-6	**Zinc**	**0.024**		mg/L	0.002	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:23	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA SW846-7470	06/10/2013 09:51	06/10/2013 19:00	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470/EPA 245.1	06/10/2013 09:53	06/10/2013 19:06	AA

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
67-64-1	**Acetone**	**3.2**	J	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-09-2	**Methylene chloride**	**3.2**	J, B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:10	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.66	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.69	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.87	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.27	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.83	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.59	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.80	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.37	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.33	14.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.39	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.39	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.26	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.65	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	4.09	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
95-48-7	2-Methylphenol	ND		ug/L	1.72	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.49	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.50	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.66	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.88	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.49	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.40	14.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.97	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.80	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
106-47-8	4-Chloroaniline	ND		ug/L	4.41	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.63	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.97	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.46	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
83-32-9	Acenaphthene	ND		ug/L	2.62	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
208-96-8	Acenaphthylene	ND		ug/L	2.58	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
62-53-3	Aniline	ND		ug/L	2.22	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
120-12-7	Anthracene	ND		ug/L	1.76	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.94	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.93	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 13F0206-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.09	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.53	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.71	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.15	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.26	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.62	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.22	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.43	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	7.08	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
218-01-9	Chrysene	ND		ug/L	2.18	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.31	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
132-64-9	Dibenzofuran	ND		ug/L	3.57	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.79	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.83	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.04	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.66	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
206-44-0	Fluoranthene	ND		ug/L	1.84	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
86-73-7	Fluorene	ND		ug/L	2.71	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.88	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	4.13	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.75	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
67-72-1	Hexachloroethane	ND		ug/L	4.50	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.52	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
78-59-1	Isophorone	ND		ug/L	3.97	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
91-20-3	Naphthalene	ND		ug/L	2.95	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
98-95-3	Nitrobenzene	ND		ug/L	2.50	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.576	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.79	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	7.41	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
87-86-5	Pentachlorophenol	ND		ug/L	2.15	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
85-01-8	Phenanthrene	ND		ug/L	2.03	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
108-95-2	Phenol	ND		ug/L	1.63	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR
129-00-0	Pyrene	ND		ug/L	2.56	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	5.79	7.41	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:20	SR

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-39-3	**Barium**	**0.062**		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-70-2	**Calcium**	**146**		mg/L	0.019	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7439-89-6	**Iron**	**0.548**		mg/L	0.010	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7439-92-1	Lead	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7439-95-4	**Magnesium**	**16.2**		mg/L	0.010	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7439-96-5	**Manganese**	**0.540**		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-09-7	**Potassium**	**12.2**		mg/L	0.026	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.007	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-23-5	**Sodium**	**40.7**		mg/L	0.061	0.100	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW
7440-66-6	Zinc	ND		mg/L	0.002	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:19	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-38-2	**Arsenic**	**0.008**		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-39-3	**Barium**	**0.076**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **13F0206-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-70-2	**Calcium**	**145**		mg/L	0.019	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7439-89-6	**Iron**	**10.9**		mg/L	0.010	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7439-92-1	Lead	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7439-95-4	**Magnesium**	**16.5**		mg/L	0.010	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7439-96-5	**Manganese**	**0.546**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-09-7	**Potassium**	**12.1**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-23-5	**Sodium**	**41.9**		mg/L	0.061	0.100	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW
7440-66-6	**Zinc**	**0.029**		mg/L	0.002	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:28	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA SW846-7470	06/10/2013 09:51	06/10/2013 19:00	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470/EPA 245.1	06/10/2013 09:53	06/10/2013 19:06	AA

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
67-64-1	**Acetone**	**4.0**	J	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-09-2	**Methylene chloride**	**2.8**	J, B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 17:45	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.09	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.11	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.26	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.76	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.39	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.19	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.36	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.00	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.81	12.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.01	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.01	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.75	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.24	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.45	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
95-48-7	2-Methylphenol	ND		ug/L	1.45	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.10	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.95	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.40	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.59	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.10	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.02	12.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.66	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.36	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.72	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.06	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.35	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.08	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
83-32-9	Acenaphthene	ND		ug/L	2.21	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
208-96-8	Acenaphthylene	ND		ug/L	2.18	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
62-53-3	Aniline	ND		ug/L	1.88	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
120-12-7	Anthracene	ND		ug/L	1.49	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.64	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.62	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.76	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.14	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.29	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.81	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.06	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.21	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.88	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.74	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**47.7**		ug/L	5.98	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
218-01-9	Chrysene	ND		ug/L	1.84	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.95	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
132-64-9	Dibenzofuran	ND		ug/L	3.01	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.20	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.39	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.40	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
206-44-0	Fluoranthene	ND		ug/L	1.55	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
86-73-7	Fluorene	ND		ug/L	2.29	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.59	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.49	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.16	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
67-72-1	Hexachloroethane	ND		ug/L	3.80	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.12	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
78-59-1	Isophorone	ND		ug/L	3.35	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
91-20-3	Naphthalene	ND		ug/L	2.49	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
98-95-3	Nitrobenzene	ND		ug/L	2.11	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.486	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.20	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.25	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.81	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
85-01-8	Phenanthrene	ND		ug/L	1.71	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
108-95-2	Phenol	ND		ug/L	1.38	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR
129-00-0	Pyrene	ND		ug/L	2.16	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	4.89	6.25	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/10/2013 20:50	SR

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.029**		mg/L	0.010	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-39-3	**Barium**	**0.100**		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-70-2	**Calcium**	**216**		mg/L	0.019	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7439-89-6	**Iron**	**0.025**		mg/L	0.010	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7439-92-1	**Lead**	**0.003**		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7439-95-4	**Magnesium**	**27.3**		mg/L	0.010	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7439-96-5	**Manganese**	**2.10**		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-09-7	**Potassium**	**14.6**		mg/L	0.026	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7782-49-2	**Selenium**	**0.014**		mg/L	0.007	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-23-5	**Sodium**	**108**		mg/L	0.061	0.100	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW
7440-66-6	Zinc	ND		mg/L	0.002	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:24	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.789**		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-39-3	**Barium**	**0.111**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **13F0206-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-70-2	**Calcium**	**216**		mg/L	0.019	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7439-89-6	**Iron**	**1.21**		mg/L	0.010	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7439-92-1	**Lead**	**0.008**		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7439-95-4	**Magnesium**	**28.1**		mg/L	0.010	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7439-96-5	**Manganese**	**2.05**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-09-7	**Potassium**	**15.1**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-23-5	**Sodium**	**112**		mg/L	0.061	0.100	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW
7440-66-6	**Zinc**	**0.024**		mg/L	0.002	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:46	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA SW846-7470	06/10/2013 09:51	06/10/2013 19:00	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470/EPA 245.1	06/10/2013 09:53	06/10/2013 19:06	AA

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **13F0206-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **13F0206-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **13F0206-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0206	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-09-2	**Methylene chloride**	**2.6**	J, B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/07/2013 12:00	06/07/2013 18:21	SS

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0206-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0206-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0206-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13F0206-04	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, 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.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

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

Field Chain-of-Custody Record

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

York Project No. 13F0206

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: EcoSystems Strategies	Company: Richard	Company: Brenda	GA130	RUSH - Same Day ☐	Summary Report ☒
Address:	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person:	Attention:	Attention:		RUSH - Three Day ☒	CTRCP DQA/DUE Pkg
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ (NY) ___ NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☐	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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.

BAHoon
Samples Collected/Authorized By (Signature)

C. Hoon
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	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-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-1	6/6/13	GW	Tal Metals Total and Dissolved, SVOCs, VOCs	1x1L 2x250 2x40ml
MW-2	↓	↓	↓	↓
MW-3	↓	↓	↓	↓
SW-1	↓	WW	↓	↓
Trip Blank	↓	GW	VOCs	2x40ml

Comments
SW-1 regular turn-around (no rush)

Preservation
Check these Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

BAHoon — 6/6/13
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Samples Received By — Date/Time

Phace 6/6/13 1400
Samples Received in LAB by — Date/Time

Temperature on Receipt
5.5 °C

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 06/13/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0207

Report Date: 06/13/2013
Client Project ID: GA130
York Project (SDG) No.: 13F0207

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 06, 2013 and listed below. The project was identified as your project: **GA130**.

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
13F0207-01	SW-1	Water	06/06/2013	06/06/2013

General Notes for York Project (SDG) No.: 13F0207

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 result[illegible]ples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 06/13/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
67-64-1	**Acetone**	**13**	B	ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-09-2	**Methylene chloride**	**19**		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	06/10/2013 09:43	06/10/2013 11:45	SS

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	5.81	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.86	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	6.14	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.20	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	4.12	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	4.45	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.76	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	5.29	23.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.79	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.79	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	5.18	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-57-8	2-Chlorophenol	ND		ug/L	4.21	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	6.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
95-48-7	2-Methylphenol	ND		ug/L	2.73	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
88-75-5	2-Nitrophenol	ND		ug/L	5.55	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.64	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.99	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.81	23.5	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.13	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.45	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
106-47-8	4-Chloroaniline	ND		ug/L	7.01	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	5.76	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-01-6	4-Nitroaniline	ND		ug/L	6.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.91	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
83-32-9	Acenaphthene	ND		ug/L	4.16	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
208-96-8	Acenaphthylene	ND		ug/L	4.09	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
62-53-3	Aniline	ND		ug/L	3.53	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
120-12-7	Anthracene	ND		ug/L	2.80	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	3.08	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	3.06	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	3.32	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	4.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.41	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.00	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	4.16	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.53	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	7.04	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	11.2	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
218-01-9	Chrysene	ND		ug/L	3.46	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.67	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
132-64-9	Dibenzofuran	ND		ug/L	5.67	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
84-66-2	Diethyl phthalate	ND		ug/L	6.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
131-11-3	Dimethyl phthalate	ND		ug/L	4.49	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.82	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.64	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
206-44-0	Fluoranthene	ND		ug/L	2.92	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
86-73-7	Fluorene	ND		ug/L	4.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
118-74-1	Hexachlorobenzene	ND		ug/L	2.99	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	6.56	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.95	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
67-72-1	Hexachloroethane	ND		ug/L	7.15	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	4.00	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
78-59-1	Isophorone	ND		ug/L	6.31	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
91-20-3	Naphthalene	ND		ug/L	4.68	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
98-95-3	Nitrobenzene	ND		ug/L	3.98	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.915	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	6.02	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	11.8	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
87-86-5	Pentachlorophenol	ND		ug/L	3.41	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
85-01-8	Phenanthrene	ND		ug/L	3.22	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
108-95-2	Phenol	ND		ug/L	2.59	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR
129-00-0	Pyrene	ND		ug/L	4.07	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	9.20	11.8	1	EPA SW-846 8270C/EPA 625	06/10/2013 07:59	06/12/2013 13:24	SR

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-39-3	**Barium**	**0.125**		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-70-2	**Calcium**	**109**		mg/L	0.019	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-89-6	**Iron**	**0.058**		mg/L	0.010	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-92-1	Lead	ND		mg/L	0.002	0.003	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-95-4	**Magnesium**	**20.8**		mg/L	0.010	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7439-96-5	**Manganese**	**0.785**		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-09-7	**Potassium**	**11.0**		mg/L	0.026	0.050	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7782-49-2	**Selenium**	**0.011**		mg/L	0.007	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-23-5	**Sodium**	**107**		mg/L	0.061	0.100	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW
7440-66-6	Zinc	ND		mg/L	0.002	0.020	1	EPA SW846-6010B	06/07/2013 17:29	06/07/2013 21:41	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.383**		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-36-0	Antimony	ND		mg/L	0.003	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-39-3	**Barium**	**0.140**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW

Sample Information

Client Sample ID: **SW-1** **York Sample ID:** **13F0207-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0207	GA130	Water	June 6, 2013 12:00 pm	06/06/2013

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-43-9	Cadmium	ND		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-70-2	**Calcium**	**109**		mg/L	0.019	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-47-3	Chromium	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-48-4	Cobalt	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-50-8	**Copper**	**0.006**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-89-6	**Iron**	**2.65**		mg/L	0.010	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-92-1	**Lead**	**0.031**		mg/L	0.002	0.003	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-95-4	**Magnesium**	**20.7**		mg/L	0.010	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7439-96-5	**Manganese**	**0.971**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-02-0	Nickel	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-09-7	**Potassium**	**10.8**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7782-49-2	Selenium	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-22-4	Silver	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-23-5	**Sodium**	**105**		mg/L	0.061	0.100	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-28-0	Thallium	ND		mg/L	0.003	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-62-2	Vanadium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW
7440-66-6	**Zinc**	**0.038**		mg/L	0.002	0.020	1	EPA SW846-6010B/EPA 200.7	06/07/2013 17:34	06/07/2013 22:51	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA SW846-7470	06/10/2013 09:51	06/10/2013 19:00	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470/EPA 245.1	06/10/2013 09:53	06/10/2013 19:06	AA

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0207-01	SW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, 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.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

13F0207

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. ~~13F0206~~ 6/2/13

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Ecosystems Strategies	Company: Richard	Company: Brenda	GA130	RUSH - Same Day ☐	Summary Report ☒
Address:	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person:	Attention:	Attention:		RUSH - Three Day ☒	CTRCP DQA/DUE Pkg
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ (NY) NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☐	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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): B Hoch

Name (printed): C. Hoch

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 MetCN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full Lab	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-1	6/6/13	GW	Tal Metals Total and Dissolved, SVOCs, VOCs	1x1L 2x250 2x40ml
MW-2				
MW-3				
SW-1		WW		
Trip Blank		GW	VOCs	2x40ml

Comments: SW-1 regular turnaround (no rush)

Preservation (Check that Applicable): 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
B Hoch	6/6/13		
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Grace	6/6/13 1400

Temperature on Receipt: 5.5 °C

APPENDIX 5

Laboratory Data Deliverables for Soil Vapor Analytical Data

ANALYTICAL REPORT

Lab Number:	L1310071
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Richard Hooker
Phone:	(845) 452-1658
Project Name:	CA13105.20
Project Number:	Not Specified
Report Date:	06/11/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1310071-01	SV-1	Not Specified	06/03/13 13:34
L1310071-02	SV-2	Not Specified	06/03/13 13:47
L1310071-03	SV-3	Not Specified	06/03/13 13:39
L1310071-04	SV-4	Not Specified	06/03/13 13:56
L1310071-05	SV-5	Not Specified	06/03/13 13:45
L1310071-06	SV-6	Not Specified	06/03/13 14:15

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 31, 2013. The canister certification results are provided as an addendum.

Sample L13010071-01 The RPD of the pre- and post-flow controller calibration check (32% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 40 mL/minute; the final flow rate was 55 mL/minute. The final pressure recorded by the laboratory of the associated canister was -6.0 inches of mercury.

Sample L13010071-02 The RPD of the pre- and post-flow controller calibration check (24% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 40 mL/minute; the final flow rate was 51 mL/minute. The final pressure recorded by the laboratory of the associated canister was -1.8 inches of mercury.

L13010071-05 The RPD of the pre- and post-flow controller calibration check (24% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 40 mL/minute; the final flow rate was 51 mL/minute. The final pressure recorded by the laboratory of the associated canister was -1.1 inches of mercury.

Samples L1310071-01 through -05 and WG612943-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Samples L1310071-01 through -03, -06, and WG612943-5 Duplicate results for Propylene should be considered estimated due to co-elution with a non-target peak.

Sample L1310071-02 results for 1,3-Butadiene and Acetone should be considered estimated due to co-elution with a non-target peak.

Project Name:	CA13105.20	**Lab Number:**	L1310071
Project Number:	Not Specified	**Report Date:**	06/11/13

Case Narrative (continued)

Sample L1310071-02 The presence of 2,2,4-Trimethylpentane could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

Sample L1310071-06 The presence of Chloromethane could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

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: 06/11/13

AIR

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-01 D
Client ID: SV-1
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 20:27
Analyst: MB

Date Collected: 06/03/13 13:34
Date Received: 06/04/13
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								
Propylene	16.6	2.50	--	28.6	4.30	--		5
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	ND	12.5	--	ND	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	89.4	5.00	--	212	11.9	--		5
Trichlorofluoromethane	1.40	1.00	--	7.87	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	6.73	1.00	--	21.0	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
Vinyl acetate	ND	1.00	--	ND	3.52	--		5
2-Butanone	1.70	1.00	--	5.01	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-01 D
Client ID: SV-1
Sample Location:

Date Collected: 06/03/13 13:34
Date Received: 06/04/13
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								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
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	1.64	1.00	--	5.78	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.08	1.00	--	3.45	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	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	1.64	1.00	--	8.81	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	ND	1.00	--	ND	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	9.96	1.00	--	67.5	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

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-01 D
Client ID: SV-1
Sample Location:

Date Collected: 06/03/13 13:34
Date Received: 06/04/13
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								
Styrene	ND	1.00	--	ND	4.26	--		5
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-Trimethybenzene	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	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	80		60-140

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-02 D
Client ID: SV-2
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 20:58
Analyst: MB

Date Collected: 06/03/13 13:47
Date Received: 06/04/13
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								
Propylene	61.2	1.67	--	105	2.87	--		3.333
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	0.743	0.667	--	1.64	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	8.33	--	ND	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	74.2	3.33	--	176	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Methylene chloride	7.80	3.33	--	27.1	11.6	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	20.5	0.667	--	63.8	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	0.803	0.667	--	2.90	2.40	--		3.333
Vinyl acetate	ND	0.667	--	ND	2.35	--		3.333
2-Butanone	1.78	0.667	--	5.25	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-02 D
Client ID: SV-2
Sample Location:

Date Collected: 06/03/13 13:47
Date Received: 06/04/13
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								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	ND	0.667	--	ND	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	6.08	0.667	--	21.4	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	3.60	0.667	--	11.5	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	2.14	0.667	--	7.37	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	1.90	0.667	--	7.79	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	3.38	0.667	--	12.7	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	0.920	0.667	--	6.24	4.52	--		3.333
Chlorobenzene	0.966	0.667	--	4.45	3.07	--		3.333
Ethylbenzene	0.813	0.667	--	3.53	2.90	--		3.333
p/m-Xylene	2.64	1.33	--	11.5	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-02 D
Client ID: SV-2
Sample Location:

Date Collected: 06/03/13 13:47
Date Received: 06/04/13
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								
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	1.26	0.667	--	5.47	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethybenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	1.25	0.667	--	6.15	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-03 D
Client ID: SV-3
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 21:29
Analyst: MB

Date Collected: 06/03/13 13:39
Date Received: 06/04/13
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								
Propylene	9.24	5.00	--	15.9	8.61	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	43.9	10.0	--	104	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	8.89	2.00	--	27.7	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	ND	2.00	--	ND	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-03 D
Client ID: SV-3
Sample Location:

Date Collected: 06/03/13 13:39
Date Received: 06/04/13
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								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	2.00	--	ND	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	6.57	2.00	--	21.0	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	132	2.00	--	497	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	2.37	2.00	--	16.1	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	13.2	2.00	--	57.3	8.69	--		10
p/m-Xylene	39.8	4.00	--	173	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-03 D
Client ID: SV-3
Sample Location:

Date Collected: 06/03/13 13:39
Date Received: 06/04/13
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								
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	12.3	2.00	--	53.4	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	115		60-140

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-04 D
Client ID: SV-4
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 22:31
Analyst: MB

Date Collected: 06/03/13 13:56
Date Received: 06/04/13
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								
Propylene	ND	2.50	--	ND	4.30	--		5
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	ND	12.5	--	ND	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	111	5.00	--	264	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	3.02	1.00	--	9.40	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
Vinyl acetate	ND	1.00	--	ND	3.52	--		5
2-Butanone	2.22	1.00	--	6.55	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-04 D
Client ID: SV-4
Sample Location:

Date Collected: 06/03/13 13:56
Date Received: 06/04/13
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								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
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	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	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	7.76	1.00	--	29.2	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	3.69	2.00	--	16.0	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-04 D
Client ID: SV-4
Sample Location:

Date Collected: 06/03/13 13:56
Date Received: 06/04/13
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								
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.14	1.00	--	4.95	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethybenzene	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	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	106		60-140

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-05 D
Client ID: SV-5
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 23:02
Analyst: MB

Date Collected: 06/03/13 13:45
Date Received: 06/04/13
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								
Propylene	ND	2.50	--	ND	4.30	--		5
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	ND	12.5	--	ND	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	9.56	5.00	--	22.7	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	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
Vinyl acetate	ND	1.00	--	ND	3.52	--		5
2-Butanone	ND	1.00	--	ND	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-05 D
Client ID: SV-5
Sample Location:

Date Collected: 06/03/13 13:45
Date Received: 06/04/13
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								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
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	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	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	1.04	1.00	--	3.92	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

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-05 D
Client ID: SV-5
Sample Location:

Date Collected: 06/03/13 13:45
Date Received: 06/04/13
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								
Styrene	ND	1.00	--	ND	4.26	--		5
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-Trimethybenzene	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	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-06
Client ID: SV-6
Sample Location:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/13 23:34
Analyst: MB

Date Collected: 06/03/13 14:15
Date Received: 06/04/13
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								
Propylene	1.07	0.500	--	1.84	0.861	--		1
Dichlorodifluoromethane	0.589	0.200	--	2.91	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	42.8	2.50	--	80.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.4	1.00	--	113	2.38	--		1
Trichlorofluoromethane	0.337	0.200	--	1.89	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	1.07	1.00	--	3.72	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.15	0.200	--	3.58	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	1.03	0.200	--	3.04	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-06 Date Collected: 06/03/13 14:15
Client ID: SV-6 Date Received: 06/04/13
Sample Location: 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								
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	0.748	0.200	--	2.64	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	0.701	0.200	--	2.87	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	0.796	0.200	--	3.00	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	0.325	0.200	--	2.20	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.257	0.200	--	1.12	0.869	--		1
p/m-Xylene	1.12	0.400	--	4.86	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

SAMPLE RESULTS

Lab ID: L1310071-06 Date Collected: 06/03/13 14:15
Client ID: SV-6 Date Received: 06/04/13
Sample Location: 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								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.418	0.200	--	1.82	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	0.247	0.200	--	1.21	0.983	--		1
1,2,4-Trimethylbenzene	0.731	0.200	--	3.59	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	93		60-140
chlorobenzene-d5	94		60-140

Project Name: CA13105.20 **Lab Number:** L1310071

Project Number: Not Specified **Report Date:** 06/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/13 13:37

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): 01-06 Batch: WG612943-4								
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
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

Project Name: CA13105.20 **Lab Number:** L1310071

Project Number: Not Specified **Report Date:** 06/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/13 13:37

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): 01-06 Batch: WG612943-4								
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: CA13105.20 **Lab Number:** L1310071

Project Number: Not Specified **Report Date:** 06/11/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/13 13:37

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): 01-06 Batch: WG612943-4								
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-Trimethybenzene	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: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG612943-3								
Chlorodifluoromethane	94		-		70-130	-		
Propylene	106		-		70-130	-		
Propane	72		-		70-130	-		
Dichlorodifluoromethane	114		-		70-130	-		
Chloromethane	97		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	109		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	89		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethyl Alcohol	85		-		70-130	-		
Dichlorofluoromethane	98		-		70-130	-		
Vinyl bromide	110		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	111		-		70-130	-		
Acetonitrile	95		-		70-130	-		
Trichlorofluoromethane	123		-		70-130	-		
iso-Propyl Alcohol	101		-		70-130	-		
Acrylonitrile	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG612943-3								
Pentane	90		-		70-130	-		
Ethyl ether	86		-		70-130	-		
1,1-Dichloroethene	110		-		70-130	-		
tert-Butyl Alcohol	96		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	118		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	99		-		70-130	-		
Vinyl acetate	106		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	122		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Chloroform	119		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
2,2-Dichloropropane	101		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	97		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG612943-3								
Ethyl-Tert-Butyl-Ether	99		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
1,1-Dichloropropene	99		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	89		-		70-130	-		
Tertiary-Amyl Methyl Ether	88		-		70-130	-		
Dibromomethane	103		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	89		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl methacrylate	121		-		70-130	-		
Heptane	91		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	93		-		70-130	-		
1,3-Dichloropropane	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG612943-3								
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	106		-		70-130	-		
Butyl Acetate	74		-		70-130	-		
Octane	85		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	103		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	89		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	99		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG612943-3								
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
tert-Butylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	81		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	100		-		70-130	-		
1,2-Dibromo-3-chloropropane	100		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	**136**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
Naphthalene	111		-		70-130	-		
1,2,3-Trichlorobenzene	119		-		70-130	-		
Hexachlorobutadiene	125		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG612943-5 QC Sample: L1310071-03 Client ID: SV-3						
Propylene	9.24	8.56	ppbV	8		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	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
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	43.9	43.8	ppbV	0		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	8.89	8.70	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG612943-5 QC Sample: L1310071-03 Client ID: SV-3					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	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	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	6.57	6.17	ppbV	6	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

Lab Duplicate Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG612943-5 QC Sample: L1310071-03 Client ID: SV-3					
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	132	127	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	2.37	2.29	ppbV	3	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	13.2	12.5	ppbV	5	25
p/m-Xylene	39.8	38.4	ppbV	4	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	12.3	12.2	ppbV	1	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG612943-5 QC Sample: L1310071-03 Client ID: SV-3					
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: CA13105.20

Lab Number: L1310071

Project Number:

Report Date: 06/11/13

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
L1310071-01	SV-1	0394	#90 SV	05/31/13	89101		-	-	-	Pass	40	55	32
L1310071-01	SV-1	1797	6.0L Can	05/31/13	89101	L1309114-03	Pass	-29.7	-6.0	-	-	-	-
L1310071-02	SV-2	0010	#90 SV	05/31/13	89101		-	-	-	Pass	40	51	24
L1310071-02	SV-2	685	6.0L Can	05/31/13	89101	L1309114-03	Pass	-28.0	-1.8	-	-	-	-
L1310071-03	SV-3	0250	#90 SV	05/31/13	89101		-	-	-	Pass	38	42	10
L1310071-03	SV-3	1038	6.0L Can	05/31/13	89101	L1309114-03	Pass	-29.0	-7.5	-	-	-	-
L1310071-04	SV-4	0381	#90 SV	05/31/13	89101		-	-	-	Pass	38	44	15
L1310071-04	SV-4	1704	6.0L Can	05/31/13	89101	L1309114-03	Pass	-29.8	-12.8	-	-	-	-
L1310071-05	SV-5	0023	#90 SV	05/31/13	89101		-	-	-	Pass	40	51	24
L1310071-05	SV-5	1608	6.0L Can	05/31/13	89101	L1309114-03	Pass	-29.5	-1.1	-	-	-	-
L1310071-06	SV-6	0271	#90 SV	05/31/13	89101		-	-	-	Pass	40	48	18
L1310071-06	SV-6	970	6.0L Can	05/31/13	89101	L1309114-03	Pass	-29.7	-6.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID:	L1309114-03	Date Collected:	05/20/13 15:44
Client ID:	CAN 1039 SHELF 56	Date Received:	05/21/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	05/22/13 16:32		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**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	0.200	--	ND	0.361	--		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 **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03 Date Collected: 05/20/13 15:44

Client ID: CAN 1039 SHELF 56 Date Received: 05/21/13

Sample Location: 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								
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 **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03 Date Collected: 05/20/13 15:44

Client ID: CAN 1039 SHELF 56 Date Received: 05/21/13

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								
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 **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03 Date Collected: 05/20/13 15:44

Client ID: CAN 1039 SHELF 56 Date Received: 05/21/13

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-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-Trimethybenzene	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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1309114
Report Date: 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03
Client ID: CAN 1039 SHELF 56
Sample Location:

Date Collected: 05/20/13 15:44
Date Received: 05/21/13
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Cyclotrisiloxane, Hexamethyl-	1.1	NJ	ppbV		1
Benzoic acid, 2-((trimethyl...	6.5	NJ	ppbV		1
Cobalt, (2-methyl-.eta.-3-p...	8.3	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID:	L1309114-03	Date Collected:	05/20/13 15:44
Client ID:	CAN 1039 SHELF 56	Date Received:	05/21/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	05/22/13 16:32		
Analyst:	RY		

	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 **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03 Date Collected: 05/20/13 15:44

Client ID: CAN 1039 SHELF 56 Date Received: 05/21/13

Sample Location: 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
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
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1309114

Project Number: CANISTER QC BAT **Report Date:** 06/11/13

Air Canister Certification Results

Lab ID: L1309114-03 Date Collected: 05/20/13 15:44

Client ID: CAN 1039 SHELF 56 Date Received: 05/21/13

Sample Location: 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								
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	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: CA13105.20
Project Number: Not Specified

Lab Number: L1310071
Report Date: 06/11/13

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(*)
L1310071-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1310071-02A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1310071-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1310071-04A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1310071-05A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1310071-06A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	CA13105.20	**Lab Number:**	L1310071
Project Number:	Not Specified	**Report Date:**	06/11/13

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 five times (5x) 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report

Project Name: CA13105.20 **Lab Number:** L1310071

Project Number: Not Specified **Report Date:** 06/11/13

Data Qualifiers

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.

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

Project Name: CA13105.20 **Lab Number:** L1310071
Project Number: Not Specified **Report Date:** 06/11/13

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.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **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, 2-Methylnaphthalene, 1-Methylnaphthalene.

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 #: L1310071

Client Information

Client: ECOSYSTEMS STRATEGIES
Address: 24 DAVIS AVE. POUGHKEEPSIE, NY
Phone: 845 452 1658
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GA13105.20
Project Location:
Project #:
Project Manager: RICHARD
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 6/7/13 Time: 16:00

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

6/4/13 PLEASE "HOLD" ALL SAMPLES until instructed to Run.

Other Project Specific Requirements/Comments:

Please run all samples for Helium

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)
L1310071-1	SV-1	6/3/13	11:33	13:34	29.77	5.10	SV	RH	6L	1797	0894		X						
2	SV-2		11:46	13:47	27.69	0.64				685	0100								
3	SV-3		11:40	13:39	30.00	6.75				1038	0250								
4	SV-4		11:50	13:56	29.75	5.00				1704	0381								
5	SV-5		11:59	13:45	30.00	0.45				1608	0023								
6	SV-6	X	12:10	14:15	30.18	6.12	X	X	X	970	0271		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:
R. Hother	6/4/13	[illegible]	6-4-13 12:12
[illegible]	6/4/13 18:35	[illegible] Mahuley	6/4/13 18:55
[illegible] Mahuley	6/5/13 00:20	[illegible]	6/5/13 00:20
[illegible]	6/5/13 04:00	Mansfield Lab	6/5/13 04:00