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LIMITED PHASE II INVESTIGATION REPORT

47-50 30TH STREET
LONG ISLAND CITY, NEW YORK
BLOCK 115, LOT 187

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ACRONYMS AND ABBREVIATIONS

AST:	Aboveground Storage Tank
CAMP:	Community Air Monitoring Plan
C&D:	Construction & Demolition
CEQR:	City Environmental Quality Review
CFR:	Code of Federal Regulations
CHASP:	Construction Health and Safety Plan
CO:	Certificate of Occupancy
CPC:	City Planning Commission
DSNY:	Department of Sanitation
"E":	E-Designation
EAS:	Environmental Assessment Statement
EIS:	Environmental Impact Statement
ESA:	Environmental Site Assessment
EC/IC:	Engineering Control and Institutional Control
ELAP:	Environmental Laboratory Accreditation Program
FDNY:	New York City Fire Department
GPR:	Ground Penetrating Radar
HASP:	Health and Safety Plan
HAZWOPER:	Hazardous Waste Operations Emergency Response
IDW:	Investigation Derived Waste
Notice – NNO:	Notice of No Objection
Notice – NTP:	Notice to Proceed
Notice – NOS:	Notice of Satisfaction
Notice – FNOS:	Final Notice of Satisfaction
NYC BSA:	New York City Board of Standards and Appeals
NYC DCP:	New York City Department of City Planning
NYC DEP:	New York City Department of Environmental Protection
NYC DOB:	New York City Department of Buildings
NYC DOF:	New York City Department of Finance
NYC HPD:	New York City Housing Preservation and Development
NYCRR:	New York Codes Rules and Regulations
NYC OER:	New York City Office of Environmental Remediation
NYSDEC:	New York State Department of Environmental Conservation
NYSDEC DER:	New York State Department of Environmental Conservation Division of Environmental Remediation

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ACRONYMS AND ABBREVIATIONS

NYSDEC PBS:	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYSDOH:	New York State Department of Health
NYSDOT:	New York State Department of Transportation
OSHA:	United States Occupational Health and Safety Administration
PAHs:	Polycyclic Aromatic Hydrocarbons
PCBs:	Polychlorinated Biphenyls
PE:	Professional Engineer
PID:	Photo Ionization Detector
PM:	Particulate Matter
QEP:	Qualified Environmental Professional
RA:	Register Architect
RAP:	Remedial Action Plan
RCA:	Recycled Concrete Aggregate
RCR:	Remedial Closure Report
RD:	Restrictive Declaration
RI:	Remedial Investigation
SCOs:	Soil Cleanup Objectives
SCG:	Standards, Criteria and Guidance
SMP:	Site Management Plan
SPDES:	State Pollutant Discharge Elimination System
SSDS:	Sub-Slab Depressurization System
SVOCs:	Semi-Volatile Organic Compounds
USCS:	Unified Soil Classification System
USGS:	United States Geological Survey
UST:	Underground Storage Tank
TAL:	Target Analyte List
TCL:	Target Compound List
TCO:	Temporary Certificate of Occupancy
VB:	Vapor Barrier
VOCs:	Volatile Organic Compounds

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1. SUMMARY OF CONCLUSIONS

Ramboll US Corporation (Ramboll) has prepared this report, on behalf of Alexandria Real Estate Equities, Inc. (ARE) to summarize the findings of a limited Phase II site investigation conducted in January 2019 on the property located at 47-50 30th Street, Long Island City, Queens, New York ("site" or "facility"). This limited Phase II site investigation included a preliminary evaluation of environmental media including soil, groundwater, soil vapor, indoor air, and ambient air. The investigation data indicate that the site is underlain by approximately 8 to 10 feet of urban fill above native silty sands and organic peaty soils which are characteristic of a formerly intertidal estuarine ecology (Dutch Kills and the East River). Groundwater is present beneath the site at approximately 10 feet below ground surface (bgs), and approximately 14 to 15 feet below the building floor slab.

Historic fill material, typically containing elevated concentrations of PAHs and metals, appears to underly the entire site. This historic fill material is characteristic of urban fill in New York City, particularly in areas of former tidal estuary ecologies, such as the Dutch Kill and East River, that have been historically filled for industrial and commercial development purposes.

Analytical data indicate that chlorinated volatile organic compounds (CVOCs) are present above the New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards (AWQS) in groundwater and above relevant NYSDEC Soil Cleanup Objectives (SCOs) in shallow soils at the northern portion of the site. Soil vapor and indoor air concentrations of CVOCs support these findings, with significantly higher concentrations of CVOCs in the northern portion of the site and decreasing concentrations towards the southern side of the site. No CVOCs were detected in soils or groundwater in the 2005 Phase II investigation conducted by Whitestone Associates, Inc. (Whitestone); however, no samples were collected along the northern site boundary which borders a commercial dry-cleaning facility. The primary CVOCs detected in Ramboll's Phase II investigation were tetrachloroethene (PCE) and trichloroethene (TCE), which are dry-cleaning related chemicals. The presence of CVOCs in shallow soils in the northern portion of the site may be associated with adsorption onto soil of PCE from soil vapor. Elevated PCE concentrations were found in sub-slab soil vapor samples in the north-most portion of the site, in close proximity to the off-site commercial dry cleaner. The results of indoor air samples combined with sub-slab indicate that vapor intrusion appears to be occurring at the site and, based on the New York State Department of Health (NYSDOH) guidance, mitigation measures are recommended based on the sampling results for all four indoor air sampling locations where sub-slab soil vapor data was also available.

A former 3,000-gallon heating oil underground storage tank (UST) was reportedly closed in place in 1998. Soil and groundwater samples in the vicinity of the former UST were collected by Whitestone in 2005; the results of that sampling did not detect heating oil-related contaminants, such as naphthalene, or non-aqueous phase liquid. Ramboll was unable to install a soil boring in the area of the former UST beyond approximately three feet bgs due to an obstruction. However, a soil vapor sample was collected and analyzed, and no petroleum related constituents were detected that would suggest that a release had occurred. Based on the analytical data and the results of the previous investigation related to the UST, there is no indication of a release from the tank.

In its 2005 Phase II, Whitestone was unable to locate the outfall of the floor drains in the facility. To further address this area, Ramboll collected soil and groundwater samples (SB03/TW03), in the area adjacent to the facility sewer cleanout. The samples did not detect concentrations of site-related contaminants that would indicate a release to shallow soils or groundwater has occurred.

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Site-related contaminants were not detected above NYSDEC standards at the railroad spur, loading dock, or hydraulic compactor, except for historic fill-related contaminants, such as polyaromatic hydrocarbons (PAHs) and metals, which are typical across the site.

Lastly, no site related contaminants were detected above applicable standards in the parking lot at the south end of the site that is leased from the Metropolitan Transit Authority (MTA), except for historic fill-related compounds and metals. Polychlorinated biphenyls (PCBs) were detected in one shallow soil sample at a concentration slightly above the unrestricted SCO but below the residential and commercial SCOs. PCBs are not suspected of being a site-related contaminant and may be attributed to a historic use such as former the railroad spur in that area.

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2. PROJECT BACKGROUND

Ramboll has prepared this report on behalf of ARE to summarize the findings of the limited Phase II site investigation conducted in December 2018-January 2019 on the property located at 47-50 30th Street, Long Island City, Queens, New York. The limited Phase II site investigation field work was performed between December 27, 2018 and January 13, 2019. This Phase II investigation was conducted to further evaluate potential environmental issues identified in previous environmental investigations, including a Phase I environmental site assessment conducted by Ramboll in late 2018-early 2019, as well as a Phase II investigation conducted at the site by Impact Environmental in 2018, and a Phase I ESA and Phase II investigation conducted by Whitestone Associates in August 2005 and September 2005, respectively. The findings of these previous investigations are summarized in Section 3.2. This Phase II report summarizes the findings and results of the site investigation.

2.1 Site Location and Current Usage

The site is located at 47-50 30th Street in the Long Island City section of Queens, New York and is identified as Block 115 and Lot 187 on the New York City Tax Map. Figure 1 is a Site Location Map. The site is approximately 1.52 acres and is bounded by an unnamed alley to the north, 29th Street to the west, Hunters Point Avenue to the south, and 30th Street to the east. Currently, Prestone Realty LLC owns the site; Preston Press LLC (Prestone Press, a related entity) leases and operates a printing facility at the site. The site is developed with an approximately 52,500-square-foot building, which extends nearly to the boundaries of the lot. The single-story building houses printing, storage, and office operations (Figure 2). In addition, Prestone Press leases a parking area from the Metropolitan Transportation Authority in the right-of-way that exists immediately south of the site.

The site is accessed from 30th Street at the eastern site boundary. The leased parking lot is in the southwestern portion of the site and a loading dock is present along 29th Street at the western site boundary. There are no on-site surface water bodies; however, Dutch Kills is located approximately 300 feet to the west.

2.2 Proposed Redevelopment Plan

There are currently no plans to redevelop the site and it is believed that the site zoning and use will remain commercial/industrial.

2.3 Description of Surrounding Properties

Current uses of the surrounding properties are summarized in the table below. According to the OER's SPEED database, Robert F. Wagner, Jr. Secondary School is located approximately 350 feet east of the Site.

Current Use of Adjacent Properties

Direction	Property/Land Use	Zoning/Observations
North	An unnamed alley, beyond which is Angel Bright Cleaners, a dry cleaner.	No apparent exterior manufacturing or chemical storage operations were observed.

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Current Use of Adjacent Properties		
Direction	**Property/Land Use**	**Zoning/Observations**
West	29th Street, beyond which is Hunter's Point Recycling (southeast), a construction material recycler; and Broadway Stages (east and northeast), a movie studio.	Bays of construction waste (gravel and concrete) were observed at Hunter's Point Recycling.
South	Hunters Point Avenue, beyond which is a Federal Express Warehouse.	No apparent exterior manufacturing or chemical storage operations were observed.
East	Shapeways, a 3D printing company.	No apparent exterior manufacturing or chemical storage operations were observed.

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3. SITE HISTORY

3.1 Past Uses and Ownership

Ramboll prepared a Phase I Environmental Site Assessment (Phase I ESA) for the site dated February 2019. The Phase I ESA report summarized the findings of Ramboll's review of the site history, current operations, environmental database listings, and other available information for the site. The Phase I ESA report details the historical use of the Site, which is summarized below.

According to available information, the site was vacant undeveloped land until as early as 1898 and as late as 1915. By 1936, the northern portion of the site operated as a lumber yard under East River Mill and Lumber Company; the southern portion was occupied by Acme Shellac Products. In 1947, the original portion of the Site's current building was constructed, and building additions were completed by 1950 and by 1970. The 1947 Sanborn fire insurance map depicts the current building as a refrigerator warehouse, and maps from 1950 through 1970 depict it as a liquor warehouse operated by Standard Wine and Liquor Company. The building was used as an office and warehouse for Philip A. Hunt Chemical Corporation from approximately 1977 until 1983. Milton Paper Company occupied the site and utilized the building for paper storage and offices from when acquired the Site in 1985 until when Prestone Press commenced operations in 2006.

3.2 Previous Investigations

Based on a review of historical site documents, prior environmental assessment and sampling activities have been conducted at the site, as summarized below.

- **August 2005 Phase I Environmental Site Assessment**. A Phase I ESA was conducted by Whitestone. in August 2005. The report identified the following recognized environmental conditions (RECs):
  - The site was used as a chemical warehouse and shellac company in the past. These operations likely included the on-site storage and/or use of potentially hazardous substances, which may have been discharged by to the environment.
  - One 3,000-gallon fuel oil UST remains abandoned in place under the eastern portion of the site building. No environmental sampling was reported during the UST closure and potential releases from this UST may have occurred.
  - Two floor drains were observed in a storage room located in the western portion of the site building which may have been used by the former occupants Phillip A. Hunt Chemical Corp for the mixing or storage of chemicals. The discharge point of the drains should be located.
- **September 2005 Phase II Site Investigation.** A Phase II investigation was conducted at the site by Whitestone in September 2005. The findings of the Phase II investigation included:
  - Floor Drain Evaluation – A non-toxic dye was used to evaluate the discharge points of the floor drains observed in the western portion of the building. The dyed water was not observed at the monitored potential outfalls, and the discharge point(s) of the floor drains could not be located during this evaluation.
  - Soil Sampling Results – Six soil borings were installed, SB-1 and SB-2 in the vicinity of the abandoned 3,000-gallon former heating oil UST, SB-3 and SB-4 were installed in the vicinity of the floor drains, and SB-5 and SB-6 were advanced within the former "explosion room" in the

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western portion of the building. No volatile organic compounds (VOCs) were detected at concentrations above the laboratory method detection limits (MDLs). Semivolatile organic compounds (SVOCs) were detected at concentrations exceeding NYSDEC RSCOs in two borings (SB-4 and SB-6). The results were reported as typical of urban fill.

- Groundwater Sampling Results – Three temporary groundwater monitoring wells were installed in borings SB-1, SB-3, and SB-5; groundwater was measured at approximately 10 ft bgs. No VOCs were detected above the NYSDEC AWQS. PAHs were detected in groundwater samples from SB-1 and SB-3 at concentrations exceeding the NYSDEC AWQS.

- **October 2018 Phase II Investigation.** In October 2018, Impact Environmental performed a Phase II investigation at the site. The investigation report concluded the following:
  - Historic fill is present at the site to depth of approximately 8 ft bgs and consists of brown to dark brown fine-coarse sand some gravel, and trace silt, to approximately 15 ft bgs.
  - No staining was observed, and field monitoring did not indicate elevated levels of VOCs in the three soil borings installed.
  - Groundwater was encountered in three temporary wells (TW-1 through TW-3) at depths ranging from approximately 9.75 to 10.83 ft bgs.
  - No VOCs were detected in soil samples collected from borings B1 and B2.
  - PCE was detected in the shallow groundwater in temporary wells TW-1 and TW-2 at concentrations above the NYSDEC AWQS. TW-1 and TW-2 were located in the northern part of the site, near the off-site dry cleaner. VOC concentrations in temporary well TW-3 were below the NYSDEC AWQS.
  - Indoor air samples analyzed for VOCs detected PCE and TCE in IA-1 and IA-2 above the New York State Department of Health (NYSDOH) air guidelines; the samples were collected in the north and central portions of the site building. In addition to PCE and TCE, additional non-chlorinated VOCs were also detected in indoor air samples and may be associated with current site operations.
  - Elevated PCE concentrations were detected in all three sub-slab soil vapor samples collected (SV-1, SV-2, and SV-3) which were spaced from north to south on the site. Elevated TCE concentrations were also detected in SV-1 and SV-2, located in the northern and central portion of the site. The detected PCE and TCE concentrations in SV-1 fall under the mitigation recommendation in the NYSDOH decision matrices; SV-2 and SV-3 fall under "resample/mitigate" of the NYSDOH decision matrices.
  - The dry cleaner to the north may have impacted the site. Impact Environmental recommended to seal walls, joints, and floor seams, such as the cracks observed on the northern and western interior walls, and to contact NYSDEC to discuss findings and proceed with source identification and potential responsible party (PRP) delegation.

3.3 Site Inspection

Ramboll conducted a site visit on December 27, 2018. A Phase I interview and site walk was conducted during which areas of environmental interest were inspected and noted. A qualified environmental professional then located the proposed Phase II sample locations based on the results

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of the previous investigations and the observations from the interview and site walk. After boring locations were marked, a subsurface utility survey was conducted by GPRS, Inc. of New York City.

3.4 Areas of Concern

The following areas of environmental concern (AOCs) were identified based on previous environmental investigations, Ramboll's Phase I environmental site assessment, and the site inspection:

- Former 3,000-gallon heating oil UST: the heating oil UST was previously closed in place and soil and groundwater in the vicinity of the UST was sampled by Whitestone in 2005. The objective was to confirm the results of the previous investigation.
- Floor Drains: Whitestone investigated the floor drains in 2005. Ramboll observed that the sewer system is a combined sanitary-storm sewer, and although the floor drains in the building were abandoned and sealed, a process sink still discharges to the sub-floor sanitary piping.
- Concentrations of CVOCs in groundwater: Impact Environmental detected CVOCs during its 2018 investigation, which may be potentially associated with the commercial dry-cleaning operation adjacent to the north of the site. Ramboll's objective was to further evaluate the extent of CVOCs in groundwater.
- Printing Ink Storage Area: the objective was to evaluate any potential release to the environment from the bulk ink storage area.
- Waste Solvent Drum Storage Area: the objective was to evaluate any potential release to the environment from the drum storage area.
- Loading Dock and Hydraulic Compactor: the objective was to evaluate any potential release to the environment from the loading dock and associated hydraulic compactor.
- Railroad Spur: the railroad spur intersects the loading dock area, and therefore, samples from the loading dock area would also evaluate any potential release from the historical railroad spur.
- MTA Leasehold Area: the MTA leasehold is a small gravel lot located outside the south wall of the site building. The property owner currently leases this gravel lot from the MTA for parking. It was formerly used for commercial storage of steel recyclable materials. The objective was to evaluate if a release to the environment has occurred.
- Combined sewer cleanout vault: a cleanout for the facility combined storm and sanitary system is located inside a steel vault at the northeast corner of the site building, the objective was to sample adjacent to the cleanout to evaluate if a release to the environment has occurred.

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4. PROJECT MANAGEMENT

4.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for the subsurface investigation is Matthew Sweet, and for preparation of this limited Phase II report is Kevin McGuinness, PG.

4.2 Health and Safety

All work described in this limited Phase II Report was performed in compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. A Site-specific HASP is included as Appendix B.

4.3 Materials Management

All material encountered during the Phase II investigation were managed in accordance with applicable laws and regulations.

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5. PHASE II INVESTIGATION

5.1 Overview

The Phase II investigation was conducted for identified AOCs. All appropriate media, including soil, groundwater, soil vapor, indoor air, and ambient air, was sampled and evaluated during the limited Phase II investigation.

The scope of work for this limited Phase II investigation included the following tasks:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. A public utility markout was called in by the drilling contractor by calling New York 811, Ticket No. 183551167 made on December 21, 2018. A geophysical survey was conducted inside the facility to identify potential utility lines and other subsurface anomalies or obstructions;
3. Installed 11 soil borings across the site (soil boring SB8 was installed in two increments as a result of encountering refusal, SB8 and SB8A), and collected 20 soil samples (including duplicates and QC samples) for laboratory analyses from the soil borings to evaluate soil quality;
4. Installed four temporary groundwater monitoring wells and collected eight groundwater samples for laboratory analysis to evaluate groundwater quality (including duplicates and QC samples);
5. Installed seven soil vapor probes and collected seven soil gas samples for analysis; and
6. Collected six, 24-hour air samples at five locations inside the site building and one ambient air sample outside for background air conditions.

5.2 Geophysical Survey

A subsurface utility survey was conducted by GPRS, Inc. of New York City to clear the sampling locations. The geophysical survey was performed using GPR and electromagnetic (EM) induction to establish the presence of potential subsurface features, such as underground storage tanks, utility lines, or other conduits.

The following equipment was used during the subsurface utility survey:

- 400 MHz GPR antenna. This instrument is typically capable of detecting objects several feet deep. The maximum effective depth depends on site and soil conditions. At this site, the maximum effective depth of the GPR was 4 feet.
- 1600 MHz GPR antenna. This instrument is typically capable of detecting objects several feet deep. The strength of the reflection is determined by the contrast in signal speed between the two materials. The total depth achieved can be as much as 18” or more with this antenna but can vary widely depending on the conductivity of the materials and other factors such as the spacing of the reinforcing.
- 2000 MHz GPR antenna. This instrument is approximately 4”x3.5” and rolls over the surface. The strength of the reflection is determined by the contrast in signal speed between the two materials. The total depth achieved can be as much as 18” or more with this antenna but can vary widely depending on the conductivity of the materials and other factors such as the spacing of the reinforcing.

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- Electromagnetic pipe locator. The EM locator can passively detect the electromagnetic fields from live AC power or radio signals travelling along some conductive utilities. It can also be used in conjunction with a transmitter to connect directly to accessible, metallic pipes, risers, or tracer wires. A current is sent through the pipe or tracer wire at a specific frequency and the resulting EM field can then be detected by the receiver.

The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel. Scanning was performed in the areas around the proposed soil borings, covering approximately 0.5 acres total. A 10-foot radius around each of the original 15 proposed environmental soil boring locations was scanned.

5.3 Sample Collection and Analysis

Overview

The limited Phase II investigation was performed to evaluate the potential for the presence of subsurface impacts as a result of current and historical operations at the site and immediately surrounding properties. A total of 11 soil borings were installed, as well as 4 temporary groundwater monitoring wells, and 7 soil vapor points, to evaluate subsurface conditions at accessible locations throughout the site. Coastal Environmental Solutions, Inc. (Coastal), a qualified environmental driller from Bohemia, New York, advanced investigative borings under the oversight of a QEP. The investigative borings were advanced to a maximum depth of approximately 18 feet ft bgs using a limited-access 420M model Geoprobe direct-push drill machine. The borings were characterized for soil type and potential contaminant impacts were assessed by visual and olfactory means as well as screening with a photo-ionization detector (PID). Four of the soil borings were converted into temporary groundwater monitoring wells (TW) for collection of groundwater samples. Seven boring locations were sampled for soil vapor below the building floor slab. Five indoor air samples were also collected. Construction details for soil borings, temporary monitoring wells, and soil vapor sample locations are summarized in Table 1. Information on the laboratory analyses performed for each sample matrix are summarized in in Table 3. Specific details regarding sample collection and analysis are summarized below.

Soil Sample Collection

Coastal advanced a total of 11 soil borings under the oversight of a QEP from Ramboll. The locations of the soil borings are shown on Figure 3. The geologist/engineer screened the soil samples for environmental impacts and collected environmental samples for laboratory analyses. Site work complied with safety guidelines outlined in the HASP (Appendix B). The soil boring locations are shown on Figure 3. Soil samples were collected continuously to the boring termination depth with a Geoprobe Macrocore sampler using disposable acetate sleeves. Each sample was screened for organic vapors with a PID and evaluated for visual and olfactory indications of environmental impacts. Soil descriptions are included in the boring logs (Appendix C).

Two soil samples were collected from each borehole for laboratory analyses, unless refusal prevented achieving the desired depth for the collection of the deeper sample. One sample was collected within the 0-2-foot interval and one sample within the deepest interval of the boring. Additional soil samples were collected at other depth intervals in borings where potential environmental impacts were observed by PID screening, or by visual or olfactory methods. Twenty soil samples were collected for laboratory analyses during this limited Phase II investigation, including quality assurance/quality

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control samples. Soil samples were sent to Alpha Analytical and analyzed for TCL/TAL+30. The sample collection details are summarized in Table 1 and the laboratory analytical methods are summarized in Table 3. The results of the laboratory analyses of soil samples are summarized in Table 4 and on Figure 4.

Groundwater Sample Collection

Four of the soil borings (SB1, SB3, SB10, and SB11) were converted into temporary groundwater monitoring wells for the collection of groundwater samples. The locations of the temporary monitoring wells are shown on Figure 3. Temporary groundwater wells were installed due to site access restrictions and the locations were not surveyed by a licensed surveyor. The temporary monitoring wells were installed using a direct push drill rig and disposable point to insert a 1-inch diameter 0.010 slot well screen from approximately 8 to 18 ft bgs. Groundwater was encountered at depths ranging from approximately 9 to 11 ft bgs. The temporary well screen was then sanded with inert #2 size US Silica filter sand and sealed at the surface using bentonite clay. Groundwater was gauged using an oil-water interface probe to check for the presence of non-aqueous phase liquid (NAPL). Representative groundwater samples were collected from each well using low-flow purging and sampling (LFPS) sampling methods with a peristaltic pump and dedicated Teflon tubing in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and NYSDEC Sampling Guidelines and Protocols, dated March 1991. A Horiba U-52 water-quality meter was used to evaluate groundwater parameters. Sampling logs with information on purging and sampling of temporary groundwater monitor wells is included in Appendix D. A total of six groundwater samples (including two duplicate sample) were collected from the temporary monitoring wells. Groundwater samples were submitted to Alpha Analytical and analyzed for TCL/TAL+30. The temporary monitoring well construction details are provided in Table 1, the depth to groundwater data is summarized in Table 2, and the laboratory analytical methods are summarized in Table 3. The results of the laboratory analyses of groundwater samples are summarized in Table 5 and on Figure 5.

Soil Vapor Sample Collection

A total of seven soil vapor samples were collected at the site. The locations of the soil vapor samples are shown on Figure 3. All samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, October 2006). Groundwater was encountered at a depth of approximately 9 to 11 ft bgs and, as such, the soil vapor probes were set at a maximum depth of approximately 6 to 7 ft bgs, a minimum of one foot above the smear zone. Soil vapor sample points were installed using a direct-push drilling rig (i.e., Geoprobe®) to advance a stainless-steel screen disposable point to the desired sample depth. Soil vapor samples were collected for a 2-hour duration in Summa canisters which were certified clean by the Alpha Analytical. Samples were sent to Alpha Analytical and analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method TO-15. Flow rate of both purging and sampling did not exceed 0.2 L/min.

As part of the soil vapor sampling procedure, a tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. Helium was used as the tracer gas and a box served to keep it in contact with the probe during testing. A portable monitoring device was used to analyze a sample of soil vapor for the tracer prior to sampling. If the tracer sample results showed a significant presence of the tracer, the probe seals were adjusted to prevent infiltration. At the end of the sampling round, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

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The results of the laboratory analyses of soil vapor samples are summarized in Table 6 and on Figure 6. Soil vapor sampling logs are included in Appendix E.

Indoor Air and Ambient Air Sample Collection

Five indoor air samples were collected within the site building and one ambient background air sample was collected outside the building. The locations of the indoor and ambient air samples are shown on Figure 3. The air samples were collected using 6-liter stainless steel laboratory-prepared Summa canisters with 24-hour flow regulators and analyzed for VOCs using USEPA Method TO-15. The indoor air samples were collected in proximity to associated soil vapor samples to evaluate potential vapor intrusion. Sample IA4 was not associated with a soil vapor sampling location due to encountering refusal during the attempted installation of the adjacent soil vapor probe. The samples were collected on Saturday, January 12 and Sunday, January 13, 2019 during non-production times at the subject property to minimize potential impacts from printing activities.

Investigation Derived Waste

All soil cuttings were disposed at the site within the borehole that generated them to within 24 inches of the surface. All boreholes which required drill cuttings disposal were filled with bentonite chips and hydrated. Disposable sampling equipment including, spoons, gloves, bags, paper towels, etc. that contacted environmental media were double bagged and disposed as municipal trash in a facility trash dumpster.

Laboratory Analyses

Soil and groundwater samples were submitted to the NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory Alpha Analytical of Westborough, Massachusetts, a NYS ELAP certified laboratory, for analysis of TCL/TAL+30, which includes:

- VOCs by EPA Method 8260C;
- SVOCs by EPA Method 8270D;
- Pesticides by EPA Method 8081B;
- PCBs by EPA Method 8082A;
- Target Analyte List (TAL) metals by EPA Method 6010D (Filtered and Unfiltered for groundwater);
- Total Cyanide; and
- 30 tentatively identified compounds (TICs).

TCL/TAL+30 is a recognized analytical suite developed by the Environmental Protection Agency (EPA) Certified Lab Program (CLP) to fully characterize a site during environmental site assessment.

Soil vapor and air samples were analyzed for VOCs by using USEPA Method TO-15.

Laboratory quality assurance was directed by Maty Cottingham of Ramboll.

5.4 Results of Laboratory Analyses

The results of the laboratory analyses of the environmental samples collected during this limited Phase II investigation are presented and summarized in the following locations in this report:

- Soil samples – Table 4 and Figure 4;
- Groundwater samples – Table 5 and Figure 5

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- Soil vapor samples – Table 6 and Figure 6; and
- Indoor air sample – Table 7 and Figure 6.

Laboratory data deliverables for all samples evaluated in this limited Phase II Report are provided in Appendix F.

Soil

Based on the planned continued site use as commercial/industrial, the results of soil analyses were compared to commercial as well as unrestricted soil cleanup objectives. The results for each soil sampling location are summarized below.

- SB01: PCE was detected in the shallow soil sample (0-3 ft) at a concentration of 7.4 mg/kg, which is above the NYSDEC Unrestricted SCO but below the commercial SCO. Several PAHs were detected at concentrations above the commercial SCOs; however, the total PAHs concentration was below the 500 mg/Kg commercial limit stated in NYSDEC CP-51. Several metals, including copper, lead, and mercury were detected at concentrations above the commercial SCOs.
- SB02: PCE was detected in the shallow soil sample (0-3 ft.) at 8 mg/kg, above the unrestricted SCO but below the commercial SCO. 1,2-Dichlorobenzene was detected at 5.1 mg/Kg, above the unrestricted SCO but below the commercial SCO. Benzo(a)pyrene was detected at a concentration above the commercial SCO; however, the total PAHs concentration was below the CP-51 commercial limit of 500 mg/Kg. Several metals were detected at concentrations above the commercial SCOs, including copper, lead, and zinc.
- SB03: PCE was detected in the shallow soil sample (0-3 ft.) at 6.8 mg/kg, above the unrestricted but below the commercial SCO. Several PAHs were detected at concentrations above the commercial SCOs; however, the total PAH concentration was below the 500 mg/Kg commercial limit stated in NYSDEC CP-51. Several metals such as arsenic, copper, lead, and zinc were detected above the commercial SCOs. In the deep soil sample (16-18 ft.), several PAHs were detected at concentrations above the commercial SCOs, but total PAHs were below the commercial threshold of 500 mg/Kg.
- SB06: Several PAHs were detected in the shallow sample at concentrations above the unrestricted SCOs; however, the total PAHs did not exceed the commercial threshold of 500 mg/Kg.
- SB08/SB08A: Several PAHs were detected in the shallow sample at concentrations above the unrestricted SCOs; however, the total PAHs did not exceed the commercial threshold of 500 mg/Kg.
- SB09: The deep sample (14-15 ft.) contained several PAHs at concentrations exceeding the commercial SCOs, and the total PAHs concentration exceeded the commercial threshold of 500 mg/kg.
- SB10: No constituents were detected at concentrations exceeding the commercial SCOs.
- SB11: No constituents were detected at concentrations exceeding the commercial SCOs.
- SB12: Several PAHs were detected in the shallow sample at concentrations above the unrestricted SCOs; however, the total PAHs did not exceed commercial threshold of 500 mg/kg. PCBs were detected in the shallow soil sample at 0.275 mg/kg, above the unrestricted SCO of 0.1 mg/kg but below the commercial SCO of 1 mg/kg. PCBS were not detected in the deeper soil sample from boring SB12.

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Groundwater

The results of groundwater analyses were compared with the NYSDEC AWQS. The results for each groundwater sampling location are summarized below.

- TW01: PCE was detected at 7.9 micrograms per liter (ug/L), above the NYSDEC AWQS. Several PAH compounds were detected above their respective AWQSs. Lead, magnesium, and sodium were also detected above the AWQS.
- TW03: Benzo(b)fluoranthene and chrysene were detected above the AWQS, as were magnesium and sodium.
- TW10: Several PAHs were detected above the AWQS, and sodium was detected above the AWQS. Total PCBs were detected at 0.142 ug/L, above its AWQS of 0.09 ug/L, in the field duplicate. Note that the second duplicate did not contain detectable PCBs nor did the three soil samples collected from soil boring SB10.
- TW11: Several PAHs were detected at estimated concentrations above their respective AWQS. Sodium was also detected above its AWQS.

Soil Vapor

In reviewing the results of the soil vapor sampling, it is noted that neither NYSDEC nor NYSDOH have standards or screening levels for contaminants in soil vapor. NYSDOH has developed decision matrices to evaluate concentrations of certain VOCs in sub-slab soil vapor compared to indoor air with recommendations for actions based on the findings. The results for the soil vapor samples are compared with the most stringent screening value presented in those matrices. Exceedances of the most stringent sub-slab soil vapor screening levels in the NYSDOH decision matrices do not indicate the need for any action, unless corresponding indoor air concentrations trigger recommended actions under the specific decision matrix.

- SV01: PCE was detected at a concentration of 13,200 micrograms per cubic meter (ug/$m^{3)}$ and TCE was detected at 100 ug/m^3, which are above the most stringent NYSDOH screening levels of 100 ug/m^3 and 6 ug/m^3, respectively.
- SV02: PCE was detected at a concentration of 280,000 ug/m^3, above the most stringent NYSDOH screening level of 100 ug/m^3.
- SV03: PCE was detected at a concentration of 1,750 ug/m^3, and cis-1,2-dichloroethene at 11 ug/m^3, which are above the most stringent NYSDOH screening levels of 100 ug/m^3 and 6 ug/m^3, respectively.
- SV06: PCE was detected at 1,750 ug/m^3 and TCE was detected at 8.28 ug/m^3, above the most stringent NYSDOH screening levels. Benzene was detected at a concentration of 100 ug/m^3; however, benzene is not included in any of the NYSDOH screening matrices.
- SV08: No compounds were detected above the most stringent NYSDOH screening levels.
- SV09: TCE was detected at a concentration of 65 ug/m^3, above the most stringent NYSDOH screening level.
- SV10: PCE was detected at a concentration of 180 ug/m^3, above the most stringent NYSDOH screening level.

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Indoor/Ambient Air

As discussed above, NYSDOH has developed decision matrices to evaluate concentrations of certain VOCs in sub-slab vapor compared to indoor air with recommendations for actions based on the findings. In addition, NYSDOH has issued ambient air guideline values for certain constituents, including PCE (30 ug/m^3), TCE (2 ug/m^3), and methylene chloride (60 ug/m^3). The results for the indoor air samples at the site are evaluated against the ambient air guidelines as well as using the appropriate matrix for each constituent.

- AA01: This ambient air sample was collected outside of the site building to monitor background conditions. The sample detected carbon tetrachloride at a concentration of 0.51 ug/m^3, however, this contaminant is most likely a laboratory contaminant as it was detected in every air sample.
- IA01: PCE was detected at 390 ug/m^3, TCE was detected at 1.2 ug/m^3, and methylene chloride was detected at 5.66 ug/m^3. The PCE concentration is well above the ambient air value of 30 ug/m^3. In addition, carbon tetrachloride was detected at 0.478 ug/m^3. Based on the NYSDOH decision matrix for PCE, this PCE concentration in indoor air combined with the associated sub-slab PCE concentration of 13,200 ug/m^3, the decision matrix would indicate mitigation measures[1] are appropriate. Based on the NYSDOH decision matrix for TCE, this TCE concentration in indoor air combined with the associated sub-slab TCE concentration of 100 ug/m^3, the decision matrix would also indicate mitigation measures are appropriate.
- IA02: PCE was detected at 356 ug/m^3 and TCE at 1.13 ug/m^3. This PCE concentration is well above the ambient air screening guideline of 30 ug/m^3. Carbon tetrachloride and methylene chloride were also detected. Based on the NYSDOH decision matrix for PCE, this PCE concentration in indoor air combined with the associated sub-slab PCE concentration of 280,000 ug/m^3, the decision matrix would indicate mitigation measures are appropriate.
- IA04: PCE was detected at 191 ug/ m^3, TCE was detected at 0.629 ug/m^3. This PCE concentration is well above the ambient air screening guideline of 30 ug/m^3. No sub-slab soil vapor data are available at this location.
- IA06: PCE was detected at 28.5 ug/m^3, just below the ambient air screening guideline of 30 ug/m^3. Based on the NYSDOH decision matrix, this PCE concentration in indoor air combined with the associated sub-slab PCE concentration of 1,750 ug/m^3, the decision matrix would indicate mitigation measures are appropriate.
- IA10: PCE was detected at 25.4 ug/m^3, just below the ambient air screening guideline of 30 ug/m^3. Based on the NYSDOH decision matrix, this PCE concentration in indoor air combined with the associated sub-slab PCE concentration of 180 ug/m^3, the decision matrix would indicate mitigation measures are appropriate.

[1] Mitigation measures as described in May 2017 NYSDOH decision matrices: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

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6. QUALITY ASSURANCE/QUALITY CONTROL

6.1 Quality Assurance/Quality Control Procedures

The appropriate QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures were used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results were biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. A summary of the field and laboratory QA/QC procedures is provided below.

6.2 Field QA/QC

Field QA/QC included the following procedures:

- Calibration of field equipment, including PID, on a daily basis;
- Analysis of trip blank (VOCs only) and duplicate samples;
- Use of dedicated and/or disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain-of-custody documentation; and
- Completion of report logs.

The above procedures were executed as follows:

- At least one duplicate sample for soil and groundwater was collected to evaluate field sampling precision or reproducibility of measurements of the same parameter under the given set of conditions;
- Disposable sampling equipment, including acetate sleeves, latex gloves, and sample tubing, was used to minimize cross-contamination between samples;
- For each of the parameters analyzed, a sufficient sample volume was collected to adhere to the specific analytical protocol, and provide sufficient sample for reanalysis if necessary;
- Because plasticizers and other organic compounds inherent in plastic containers may contaminate samples requiring organic analysis, samples were collected in glass containers for organic analytical methods;
- Appropriate sample preservation techniques, including cold temperature storage at 4º C, were utilized to ensure that the analytical parameters concentrations did not change between the time of sample collection and analysis; and
- Samples were analyzed prior to the expiration of the respective holding time for each analytical parameter to ensure the integrity of the analytical results.

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6.3 Sample Custody

Sample handling in the field conformed to appropriate sample custody procedures. Field custody procedures included proper sample identification, chain-of-custody forms, and packaging and shipping procedures. Sample labels were attached to all sampling bottles before field activities began to ensure proper sample identification. Each label identified the site and sample location. Bubble wrap was used to absorb shock and prevent breakage of sample containers. Ice or ice packs were placed in between the plastic bags for sample preservation purposes.

After each sample was collected and appropriately identified, the following information was entered into the chain-of-custody form:

- Site name and address;
- Sampler(s)' name(s) and signature(s);
- Names and signatures of persons involved in the chain of possession of samples;
- Sample number;
- Number of containers;
- Sample location;
- Date and time of collection;
- Type of sample, sample matrix and analyses requested;
- Preservation used (if any); and
- Any pertinent field data collected (pH, temperature, conductivity, Dissolved Oxygen [DO]).

The sampler signed and dated the "Relinquished" blank space prior to removing one copy of the custody form and sealing the remaining copies of the form in a Ziploc plastic bag taped to the underside of the sample cooler lid. The sample cooler was then sealed with tape prior to delivery or shipment to the laboratory.

6.4 Report Logs

Field logs and borings logs were completed on a daily basis during the course of this investigation describing all field activities including:

- Project number, name, manager, and address;
- The date and time;
- The weather conditions;
- On-site personnel and associated affiliations;
- Description of field activities; and
- Pertinent sample collection information including sample identification numbers, description of samples, location of sampling points, number of samples taken, method of sample collection and any factors that may affect its quality, time of sample collection, name of collector, and field screening results.

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A boring log was completed for each boring and included the following information:

- Project number, name, manager, and location;
- The date and time;
- Drilling company and method used;
- Boring number;
- Total boring depth and water table depths; and
- Pertinent soil sample information including sample number, interval, depth, amount recovered, color, composition, percent moisture, visual and olfactory observations of contamination, and PID readings.

6.5 Laboratory QA/QC

The NYSDOH ELAP-certified laboratory Alpha Analytical of Westborough, MA was used for all sample analyses. The laboratory followed standard QA/QC protocols. All samples were delivered to the laboratory within 24 hours of sample collection. Samples were received by laboratory courier personnel who transported the samples to a service center where samples were handled under laboratory custody, if the shipped samples match those described on the chain-of-custody form, the laboratory sample custodian signed and dated the form on the next "Received" blank and assumed responsibility for the samples. If problems were noted with the sample shipment, the laboratory custodian signed the form and recorded problems in the "Remarks" box. The custodian then immediately notified the Project Manager so appropriate follow-up steps could be implemented on a timely basis. The samples were then transported under laboratory custody to the laboratory testing facility.

A record of the information detailing the handling of a particular sample through each stage of analysis was maintained by the laboratory. The record includes:

- Job reference, sample matrix, sample number, and date sampled;
- Date and time received by laboratory, holding conditions, and analytical parameters;
- Extraction date, time and extractor's initials (if applicable), analysis date, time, and analyst's initials; and
- QA batch number, date reviewed, and reviewer's initials.

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7. ENVIRONMENTAL EVALUATION

7.1 Geological and Hydrogeological Conditions

Stratigraphy

The geology at the site is mainly comprised of urban land with sandy to silty soil type. There is a surface layer of urban fill and fine to medium sand with variable silt content. Fill material includes crushed brick, concrete, asphalt, and fragments of slag. Fill was encountered at depths as great as approximately 12 ft bgs. Boring SB-1 located near the northern end of the site encountered native peat and organic soils at a depth of approximately 16 ft bgs. The soil was characterized as peaty clay with an organic-like odor. At SB-10, located in the southern portion of the site, organic soils were encountered at a similar depth.

Hydrogeology

According to the topographic map groundwater is predicted to flow towards the Dutch Kills to the west. The water-level data for all monitoring wells is provided in Table 2. The average depth-to-groundwater is 9.62 feet and the depth ranges from approximately 9.5 and 9.82 feet.

7.2 Soil Analytical Results

The results of soil analyses at the site are general indicative of urban fill, containing concentrations of PAHs and metals typically associated with historical fill. CVOCs were detected in shallow soils in the northern portion of the site. Samples SB01, SB02, and SB03, all located in the northern portion of the site, all were found to contain PCE concentrations above the NYSDEC unrestricted SCO but below the commercial SCO. As discussed below, elevated concentrations of PCE were also detected in the northern portion of the site and may have been the source of the PCE detected in the soils. PCE was not detected in soil samples collected below the water table at the subject property, nor were PCE or any other VOCs detected above NYSDEC unrestricted SCOs in any other part of the site.

7.3 Groundwater Analytical Results

PCE was detected in groundwater above the AWQS in TW01, at the northern end of the site, and above the laboratory MDL but below the AWQS in TW03. PAHs were detected above the AWQS in each groundwater sample collected at the site. Lead was detected above the AWQS as a dissolved contaminant in TW01, magnesium was detected above the AWQS in TW01 and TW03, and sodium was detected above the AWQS in each groundwater sample above. The detection of elevated concentrations of inorganic constituents, such as sodium and magnesium, in groundwater at the site may be attributable to brackish groundwater conditions in proximity to Dutch Kills and the East River.

PCBs were detected above the AWQS in one of two duplicate samples collected from TW10 at a concentration of 0.142 ug/L, slightly above the AWQS of 0.09 ug/L. PCBs were not detected above the laboratory MDL in the second duplicate groundwater sample from TW10.

7.4 Soil Vapor and Indoor Air Analytical Results

Sub-slab soil vapor analyses show CVOCs detected in most of the soil vapor samples collected at the site, with by far the highest concentrations detected in the northern-most portion of the site, in the vicinity of the adjacent, off-site dry cleaner. PCE was also detected in shallow soils and groundwater at the northern portion of the site and the soil vapor results indicate that PCE concentrations are decreasing towards the southern portion of the site. Thus, it appears that the source of the PCE is

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located at the northern end of the site and PCE migrates in soil vapor beneath the concrete building slab and/or within the utility crawl space that is centrally located in the building.

Indoor air sample results also show concentrations of CVOCs, particularly PCE, at concentrations above the NYSDOH ambient air screening guidelines. Three of the five indoor air samples collected at the site contained PCE concentration above the NYSDOH ambient air guideline value, and the other two indoor air samples had PCE concentrations only slightly below the ambient air guideline. These data indicate that there is a likely a complete contaminant pathway in the building from groundwater and/or soil to soil vapor, and from soil vapor to indoor air. In addition, utilizing the NYSDOH soil vapor/indoor air decision matrices, for all four of the indoor air samples for which corresponding sub-slab soil vapor data was available, the decision matrix indicates that mitigation is recommended to address those conditions.

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8. CONCLUSIONS

8.1 Nature and Extent of Contamination

This limited Phase II Site Investigation included an evaluation of environmental media including soil, groundwater, soil vapor, indoor air, and ambient air. The investigation data indicate that the site is underlain by approximately 8 to 10 feet of urban fill above native silty sands and organic peaty soils which are characteristic of a formerly intertidal estuarine ecology (Dutch Kills and the East River). Groundwater is present beneath the site at approximately 10 feet below ground surface, and approximately 14 to 15 feet below the building floor slab.

Historic fill material, typically containing elevated concentrations of PAHs and metals, appears to underly the entire site. This historic fill material is characteristic of urban fill in New York City, particularly in areas of former tidal estuary ecologies, such as the Dutch Kill and East River, that have been historically filled for industrial and commercial development purposes.

Analytical data indicate that CVOCs are present above AWQS in groundwater and above relevant SCOs in shallow soils at the northern portion of the site. Soil vapor and indoor air concentrations of CVOCs support these findings, with significantly higher concentrations of CVOCs in the northern portion of the site and decreasing concentrations towards the southern side of the site. No CVOCs were detected in soils or groundwater in the 2005 Phase II investigation conducted by Whitestone; however, no samples were collected along the northern site boundary which borders the commercial dry-cleaning facility. The primary CVOCs detected in Ramboll's limited Phase II investigation were PCE and TCE, which are dry-cleaning related chemicals. The presence of CVOCs in shallow soils in the northern portion of the site may be associated with adsorption onto soil of PCE from soil vapor. Elevated PCE concentrations were found in sub-slab soil vapor samples in the north-most portion of the site, in close proximity to the off-site commercial dry cleaner. The results of indoor air samples combined with sub-slab indicate that vapor intrusion appears to be occurring at the site and based on the NYSDOH guidance, mitigation measures are recommended based on the sampling results for all four indoor air sampling locations where sub-slab soil vapor data was available.

The 3,000-gallon heating oil UST was reportedly closed in place in 1998. Soil and groundwater samples in the vicinity of the abandoned UST were collected by Whitestone in 2005; the results of that sampling did not detect heating oil-related contaminants, such as naphthalene, or non-aqueous phase liquid. Ramboll was unable to install a soil boring in the area of the former UST beyond approximately three feet bgs due to an obstruction. However, a soil vapor sample was installed and analyzed, and no heating oil or petroleum related constituent was detected at a concentration suggesting that a release have occurred. Based on the analytical data and the results of the previous investigation, there is no indication of a release from the tank.

In its 2005 Phase II, Whitestone was unable to locate the outfall of the floor drains in the facility. To further address this area, Ramboll's collected soil and groundwater samples (SB03/TW03), in the area adjacent to the facility sewer cleanout. The samples did not detect concentrations of site-related contaminants that would indicate a release to shallow soils or groundwater has occurred.

Site-related contaminants were not detected above NYSDEC standards at the railroad spur, loading dock, or hydraulic compactor, except for historic fill contaminants, such as PAHs and metals, which are typical across the site.

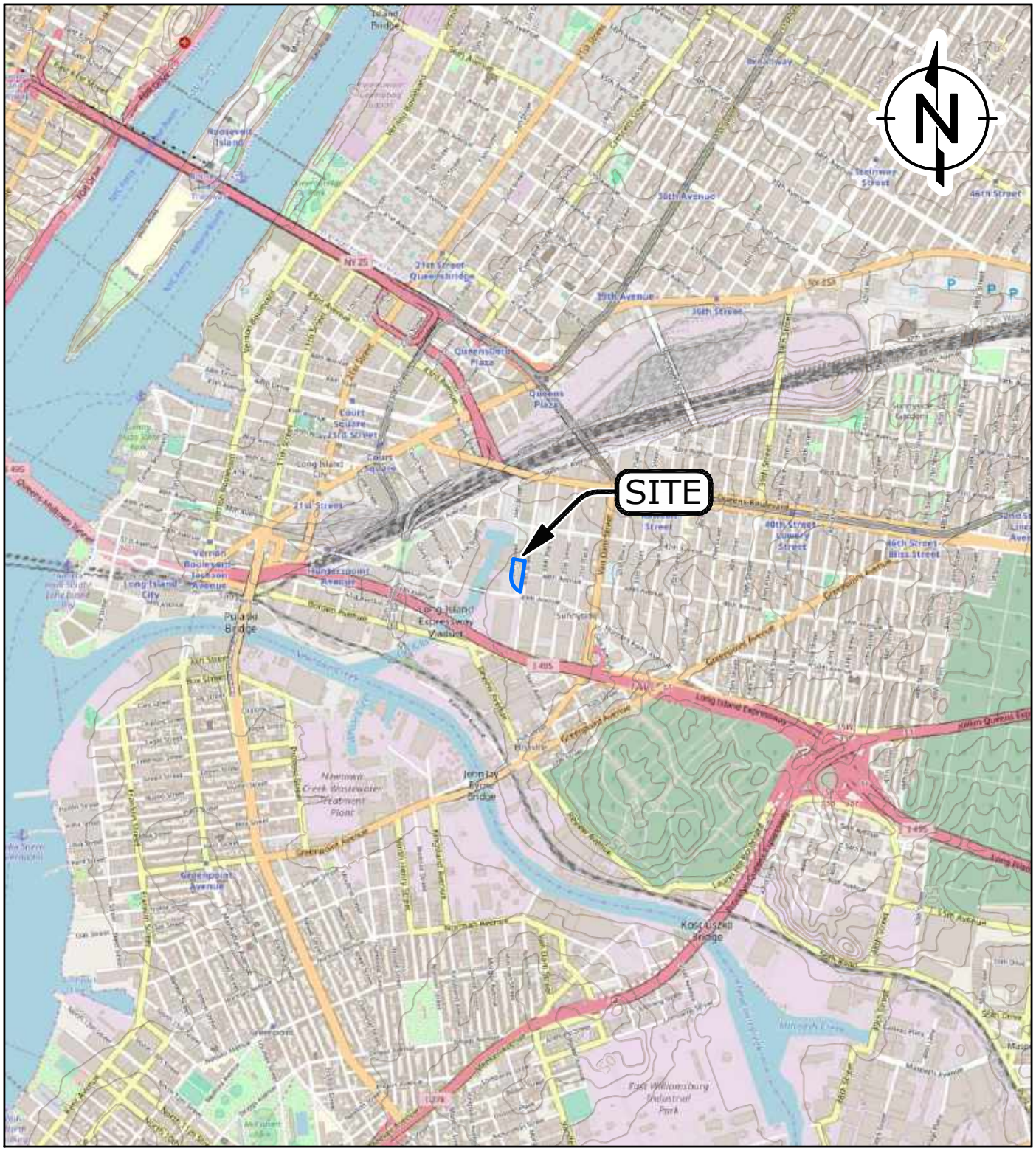
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Lastly, no site related contaminants were detected above applicable standards within the MTA leasehold at the south end of the site, except for historic fill-related compounds and metals. PCBs were detected in one shallow soil sample at a concentration slightly above the unrestricted SCO but below the residential and commercial SCOs. PCBs are not suspected of being a site-related contaminant and may be attributed to a historic use, such as former the railroad spur in that area.

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FIGURES

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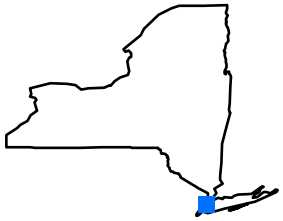


LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

0 0.5 1
SCALE IN MILES

0 2,000 4,000
SCALE IN FEET



Key Map

SOURCE:
Contours: USGS The National Map: 3D Elevation Program. Data Refreshed January, 2019.
OpenStreetMap: © OpenStreetMap (and) contributors, CC-BY-SA
www.openstreetmap.org/key
Map Scale 1:24,000. Spatial Reference: NAD 1983 2011 StatePlane New York Long Isl FIPS 3104 Ft US; Map Center: 75°49'W 42°47'50"N

RAMBOLL

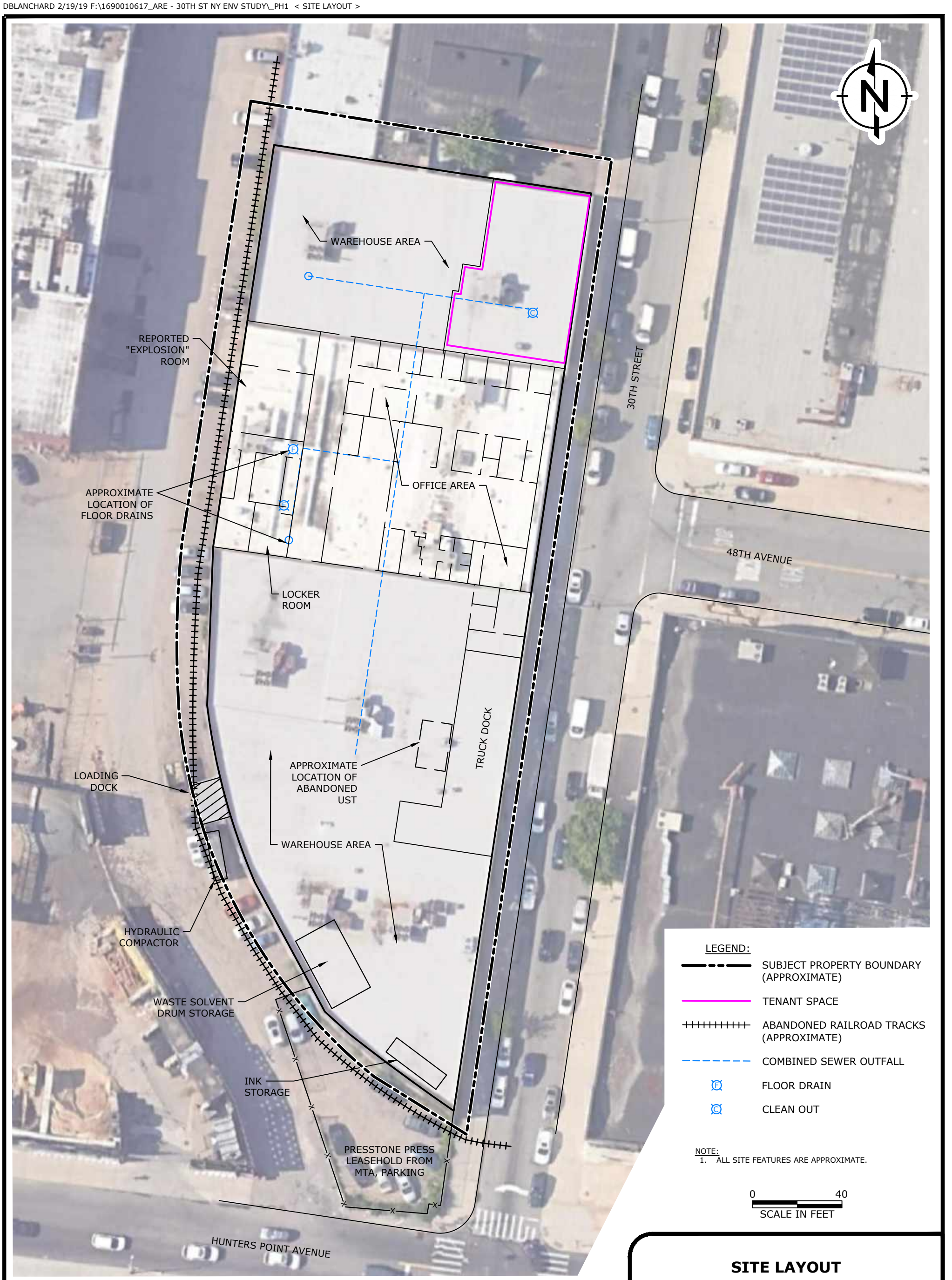
SITE LOCATION MAP

47 - 50 30TH STREET
NEW YORK, NEW YORK

FIGURE
1

DRAFTED BY: DLB | DATE: 02/19/2019 | PROJECT: 1690010617

F:\1690010617_ARE - 30th St NY Env Study_Ph1\Site Loc_New YorkNY\Site Loc_New YorkNY.aprx



LEGEND:

- SUBJECT PROPERTY BOUNDARY (APPROXIMATE)
- TENANT SPACE
- ABANDONED RAILROAD TRACKS (APPROXIMATE)
- COMBINED SEWER OUTFALL
- FLOOR DRAIN
- CLEAN OUT

NOTE:
1. ALL SITE FEATURES ARE APPROXIMATE.

0 40
SCALE IN FEET

SOURCE:
AERIAL IMAGERY: Google™ earth. Image Date: 6/8/2017.
WHITESTONE ASSOCIATES, INC. "EXISTING CONDITIONS AND REC LOCATION PLAN". PROJECT: PHASE I ESA, EXISTING MILTON PAPER COMPANY, 47-50 30TH STREET, LONG ISLAND CITY, QUEENS COUNTY, NEW YORK. PROJECT NO.: WJ05-7931. DATE: 8/10/05.
THE SANBORN LIBRARY, LLC. FOR SUBJECT AREA, SHEET 47.
BUILDING LAYOUT: "BLDG EGRESS PLAN", 03/10/2006. PETER FOX, ARCHITECT. 172 NORMAN AVENUE, BROOKLYN, NY.

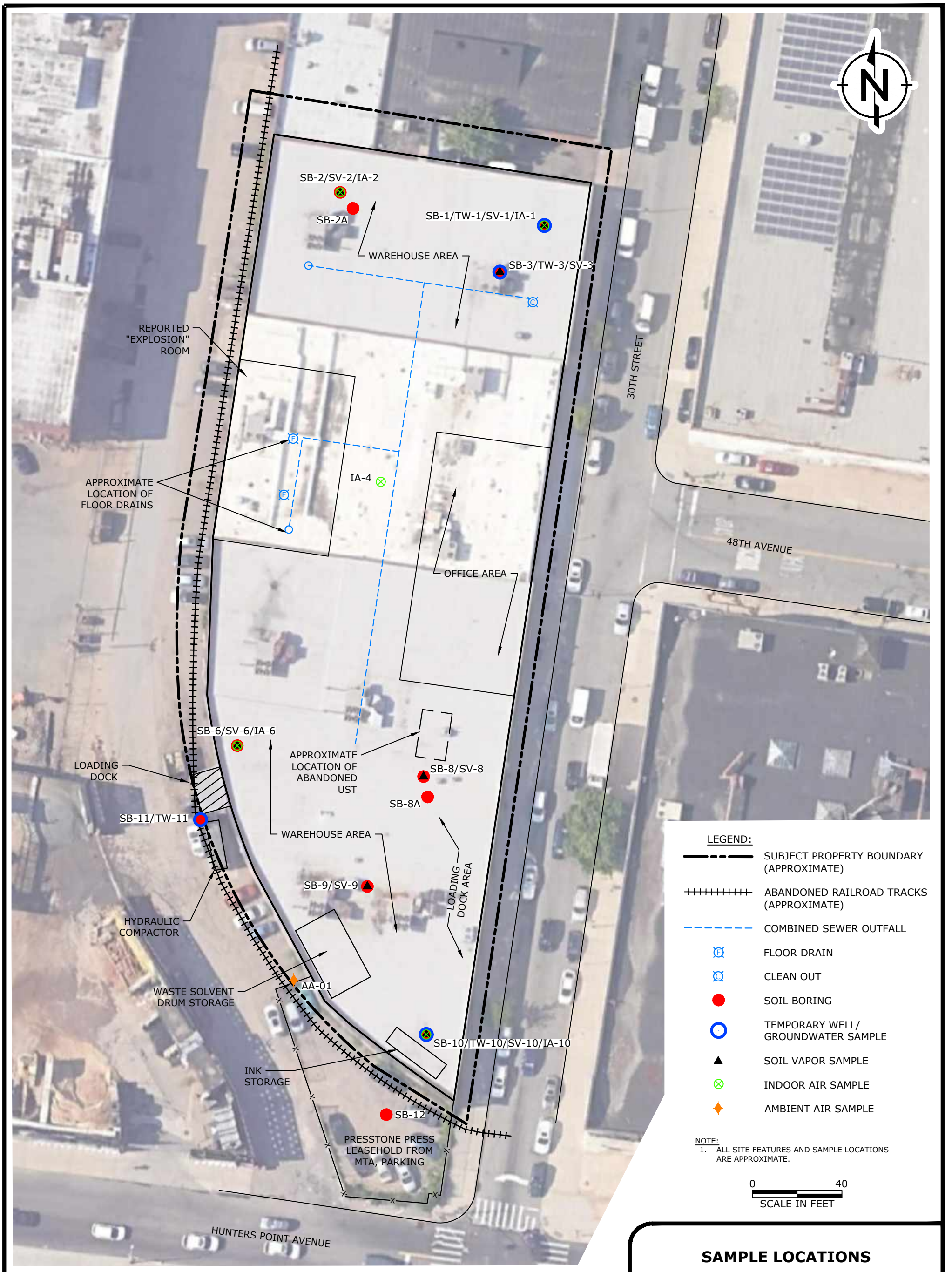
SITE LAYOUT

47 - 50 30TH STREET
NEW YORK, NEW YORK

RAMBOLL

FIGURE
2

DRAFTED BY: DLB	DATE: 02/19/2019	PROJECT: 1690010617



NOTE:
1. ALL SITE FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.

0 40
SCALE IN FEET

SOURCE:
AERIAL IMAGERY: Google™ earth. Image Date: 6/8/2017.
WHITESTONE ASSOCIATES, INC. "EXISTING CONDITIONS AND REC LOCATION PLAN". PROJECT: PHASE I ESA, EXISTING MILTON PAPER COMPANY, 47-50 30TH STREET, LONG ISLAND CITY, QUEENS COUNTY, NEW YORK. PROJECT NO.: WJ05-7931. DATE: 8/10/05.
THE SANBORN LIBRARY, LLC. FOR SUBJECT AREA, SHEET 47.

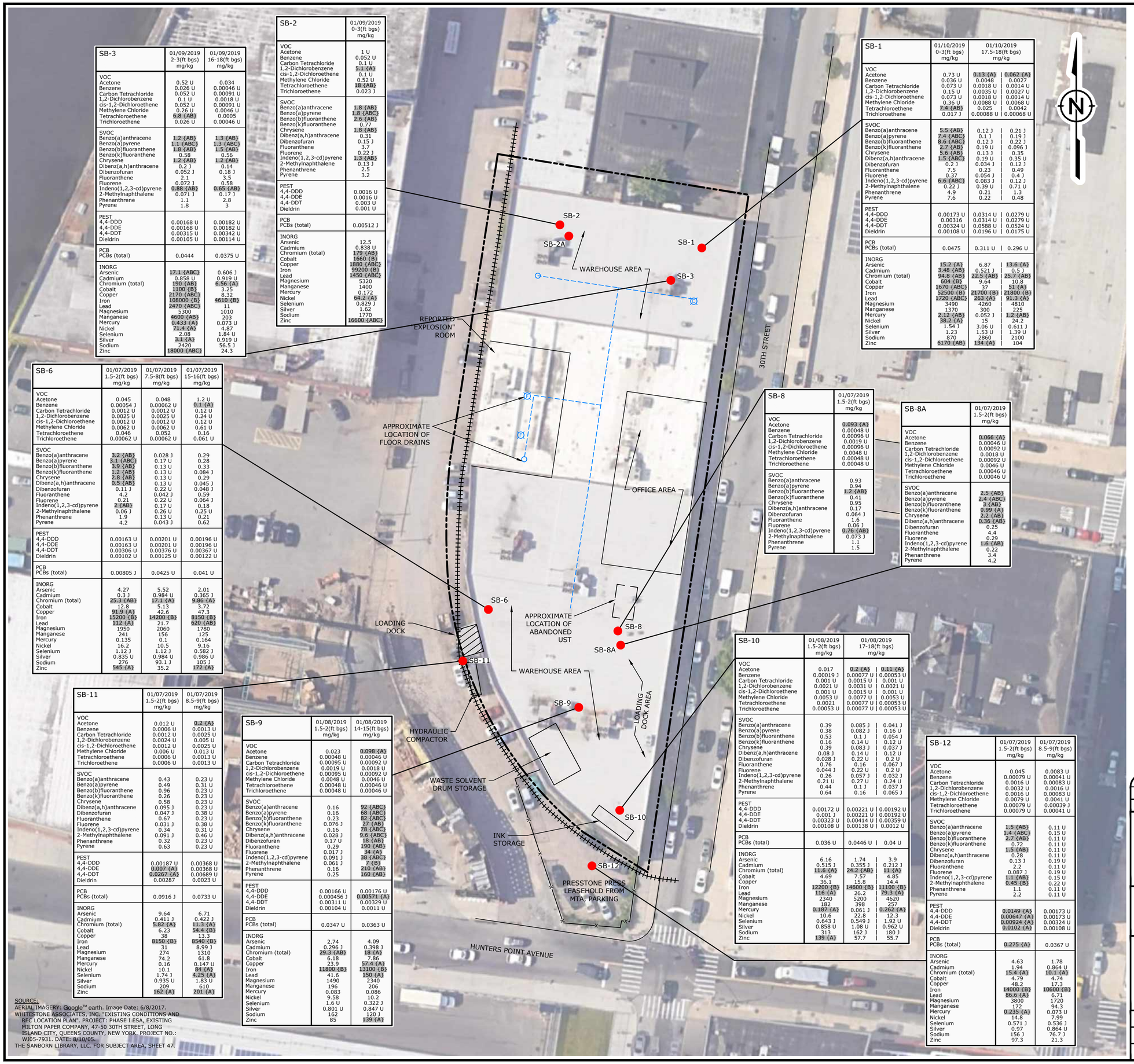
SAMPLE LOCATIONS

47 - 50 30TH STREET
NEW YORK, NEW YORK

RAMBOLL

FIGURE
3

DRAFTED BY: DLB	DATE: 01/16/2019	PROJECT: 1690010617



SB-3	01/09/2019 2-3(ft bgs) mg/kg	01/09/2019 16-18(ft bgs) mg/kg
VOC		
Acetone	0.52 U	0.034
Benzene	0.026 U	0.00046 U
Carbon Tetrachloride	0.052 U	0.00091 U
1,2-Dichlorobenzene	0.1 U	0.0018 U
cis-1,2-Dichloroethene	0.052 U	0.00091 U
Methylene Chloride	0.26 U	0.0046 U
Tetrachloroethene	6.8 {AB}	0.0005
Trichloroethene	0.026 U	0.00046 U
SVOC		
Benzo(a)anthracene	1.2 {AB}	1.3 {AB}
Benzo(a)pyrene	1.1 {ABC}	1.3 {ABC}
Benzo(b)fluoranthene	1.8 {AB}	1.5 {AB}
Benzo(k)fluoranthene	0.58	0.56
Chrysene	1.2 {AB}	1.2 {AB}
Dibenz(a,h)anthracene	0.2 J	0.14
Dibenzofuran	0.052 J	0.18 J
Fluoranthene	2.1	3.5
Fluorene	0.072 J	0.58
Indeno(1,2,3-cd)pyrene	0.88 {AB}	0.65 {AB}
2-Methylnaphthalene	0.071 J	0.17 J
Phenanthrene	1.1	2.8
Pyrene	1.8	3
PEST		
4,4-DDD	0.00168 U	0.00182 U
4,4-DDE	0.00168 U	0.00182 U
4,4-DDT	0.00315 U	0.00342 U
Dieldrin	0.00105 U	0.00114 U
PCB		
PCBs (total)	0.0444	0.0375 U
INORG		
Arsenic	17.1 {ABC}	0.606 J
Cadmium	0.858 U	0.919 U
Chromium (total)	190 {AB}	6.56 {A}
Cobalt	1100 {B}	3.25
Copper	2170 {ABC}	8.32
Iron	108000 {B}	4610 {B}
Lead	2470 {ABC}	11
Magnesium	5300	1010
Manganese	4600 {AB}	203
Mercury	0.433 {A}	0.073 U
Nickel	71.4 {A}	4.87
Selenium	2.08	1.84 U
Silver	3.1 {A}	0.919 U
Sodium	2420	56.5 J
Zinc	18000 {ABC}	24.3

SB-2	01/09/2019 0-3(ft bgs) mg/kg
VOC	
Acetone	1 U
Benzene	0.052 U
Carbon Tetrachloride	0.1 U
1,2-Dichlorobenzene	5.1 {A}
cis-1,2-Dichloroethene	0.1 U
Methylene Chloride	0.52 U
Tetrachloroethene	18 {AB}
Trichloroethene	0.023 J
SVOC	
Benzo(a)anthracene	1.8 {AB}
Benzo(a)pyrene	1.8 {ABC}
Benzo(b)fluoranthene	2.6 {AB}
Benzo(k)fluoranthene	0.77
Chrysene	1.8 {AB}
Dibenz(a,h)anthracene	0.31
Dibenzofuran	0.15 J
Fluoranthene	3.7
Fluorene	0.22 J
Indeno(1,2,3-cd)pyrene	1.3 {AB}
2-Methylnaphthalene	0.13 J
Phenanthrene	2.5
Pyrene	3.2
PEST	
4,4-DDD	0.0016 U
4,4-DDE	0.0016 U
4,4-DDT	0.003 U
Dieldrin	0.001 U
PCB	
PCBs (total)	0.00512 J
INORG	
Arsenic	12.5
Cadmium	0.838 U
Chromium (total)	179 {AB}
Cobalt	1660 {B}
Copper	1880 {ABC}
Iron	99200 {B}
Lead	1450 {ABC}
Magnesium	5320
Manganese	1400
Mercury	0.172
Nickel	64.2 {A}
Selenium	0.829 J
Silver	1.62
Sodium	1770
Zinc	16600 {ABC}

SB-1	01/10/2019 0-3(ft bgs) mg/kg	01/10/2019 17.5-18(ft bgs) mg/kg
VOC		
Acetone	0.73 U	0.13 {A} | 0.062 {A}
Benzene	0.036 U	0.0048 | 0.0027
Carbon Tetrachloride	0.073 U	0.0018 U | 0.0014 U
1,2-Dichlorobenzene	0.15 U	0.0035 U | 0.0027 U
cis-1,2-Dichloroethene	0.073 U	0.0018 U | 0.0014 U
Methylene Chloride	0.36 U	0.0088 U | 0.0068 U
Tetrachloroethene	7.4 {AB}	0.025 | 0.0042
Trichloroethene	0.017 J	0.00088 U | 0.00068 U
SVOC		
Benzo(a)anthracene	5.5 {AB}	0.12 J | 0.21 J
Benzo(a)pyrene	7.4 {ABC}	0.1 J | 0.19 J
Benzo(b)fluoranthene	8.6 {ABC}	0.12 J | 0.22 J
Benzo(k)fluoranthene	2.7 {AB}	0.19 U | 0.096 J
Chrysene	5.6 {AB}	0.13 J | 0.35
Dibenz(a,h)anthracene	1.5 {ABC}	0.19 U | 0.35 U
Dibenzofuran	0.2 J	0.034 J | 0.12 J
Fluoranthene	7.5	0.23 | 0.49
Fluorene	0.37	0.054 J | 0.4 J
Indeno(1,2,3-cd)pyrene	6.6 {ABC}	0.083 J | 0.12 J
2-Methylnaphthalene	0.22 J	0.39 U | 0.71 U
Phenanthrene	4.9	0.21 | 1.3
Pyrene	7.6	0.22 | 0.48
PEST		
4,4-DDD	0.00173 U	0.0314 U | 0.0279 U
4,4-DDE	0.00316	0.0314 U | 0.0279 U
4,4-DDT	0.00324 U	0.0588 U | 0.0524 U
Dieldrin	0.00108 U	0.0196 U | 0.0175 U
PCB		
PCBs (total)	0.0475	0.311 U | 0.296 U
INORG		
Arsenic	15.2 {A}	6.87 | 13.6 {A}
Cadmium	3.48 {AB}	0.521 J | 0.5 J
Chromium (total)	94.8 {AB}	22.5 {AB} | 25.7 {AB}
Cobalt	604 {B}	9.64 | 10.8
Copper	1670 {ABC}	37 | 51 {A}
Iron	52500 {B}	21700 {B} | 21800 {B}
Lead	1720 {ABC}	263 {A} | 91.3 {A}
Magnesium	3490	4260 | 4810
Manganese	1370	300 | 225
Mercury	2.12 {AB}	0.052 J | 1.2 {AB}
Nickel	38.2 {A}	15 | 24.2
Selenium	1.54 J	3.06 U | 0.611 J
Silver	1.23	1.53 U | 1.39 U
Sodium	870	2860 | 2100
Zinc	6170 {AB}	134 {A} | 104

SB-6	01/07/2019 1.5-2(ft bgs) mg/kg	01/07/2019 7.5-8(ft bgs) mg/kg	01/07/2019 15-16(ft bgs) mg/kg
VOC			
Acetone	0.045	0.048	1.2 U
Benzene	0.00054 J	0.00062 U	0.1 {A}
Carbon Tetrachloride	0.0012 U	0.0012 U	0.12 U
1,2-Dichlorobenzene	0.0025 U	0.0025 U	0.24 U
cis-1,2-Dichloroethene	0.0012 U	0.0012 U	0.12 U
Methylene Chloride	0.0062 U	0.0062 U	0.61 U
Tetrachloroethene	0.046	0.052	0.16
Trichloroethene	0.00062 U	0.00062 U	0.061 U
SVOC			
Benzo(a)anthracene	3.2 {AB}	0.028 J	0.29
Benzo(a)pyrene	3.1 {ABC}	0.17 U	0.28
Benzo(b)fluoranthene	3.9 {AB}	0.13 U	0.33
Benzo(k)fluoranthene	1.2 {AB}	0.13 U	0.084 J
Chrysene	2.8 {AB}	0.13 U	0.29
Dibenz(a,h)anthracene	0.5 {AB}	0.13 U	0.045 J
Dibenzofuran	0.11 J	0.22 U	0.048 J
Fluoranthene	4.2	0.042 J	0.59
Fluorene	0.21	0.22 U	0.064 J
Indeno(1,2,3-cd)pyrene	2 {AB}	0.17 U	0.18
2-Methylnaphthalene	0.06 J	0.26 U	0.25 U
Phenanthrene	1.9	0.13 U	0.21
Pyrene	4.2	0.043 J	0.62
PEST			
4,4-DDD	0.00163 U	0.00201 U	0.00196 U
4,4-DDE	0.00163 U	0.00201 U	0.00196 U
4,4-DDT	0.00306 U	0.00376 U	0.00367 U
Dieldrin	0.00102 U	0.00125 U	0.00122 U
PCB			
PCBs (total)	0.00805 J	0.0425 U	0.041 U
INORG			
Arsenic	4.27	5.52	2.01
Cadmium	0.3 J	0.984 U	0.365 J
Chromium (total)	25.3 {AB}	17.1 {A}	9.86 {A}
Cobalt	12.8	5.13	3.72
Copper	91.9 {A}	42.6	47.3
Iron	15200 {B}	14200 {B}	8150 {B}
Lead	112 {A}	21.7	620 {AB}
Magnesium	1950	2060	1780
Manganese	241	156	125
Mercury	0.135	0.1	0.164
Nickel	16.2	10.5	9.16
Selenium	1.12 J	1.12 J	0.582 J
Silver	0.835 U	0.984 U	0.986 U
Sodium	276	93.1 J	105 J
Zinc	545 {A}	35.2	172 {A}

SB-8	01/07/2019 1.5-2(ft bgs) mg/kg
VOC	
Acetone	0.093 {A}
Benzene	0.00048 U
Carbon Tetrachloride	0.00096 U
1,2-Dichlorobenzene	0.0019 U
cis-1,2-Dichloroethene	0.00096 U
Methylene Chloride	0.0048 U
Tetrachloroethene	0.00048 U
Trichloroethene	0.00048 U
SVOC	
Benzo(a)anthracene	0.93
Benzo(a)pyrene	0.94
Benzo(b)fluoranthene	1.2 {AB}
Benzo(k)fluoranthene	0.41
Chrysene	0.95
Dibenz(a,h)anthracene	0.17
Dibenzofuran	0.064 J
Fluoranthene	1.6
Fluorene	0.06 J
Indeno(1,2,3-cd)pyrene	0.76 {AB}
2-Methylnaphthalene	0.073 J
Phenanthrene	1.1
Pyrene	1.5

SB-8A	01/07/2019 1.5-2(ft bgs) mg/kg
VOC	
Acetone	0.066 {A}
Benzene	0.00046 U
Carbon Tetrachloride	0.00092 U
1,2-Dichlorobenzene	0.0018 U
cis-1,2-Dichloroethene	0.00092 U
Methylene Chloride	0.0046 U
Tetrachloroethene	0.00046 U
Trichloroethene	0.00046 U
SVOC	
Benzo(a)anthracene	2.5 {AB}
Benzo(a)pyrene	2.4 {ABC}
Benzo(b)fluoranthene	3 {AB}
Benzo(k)fluoranthene	0.99 {A}
Chrysene	2.2 {AB}
Dibenz(a,h)anthracene	0.36 {AB}
Dibenzofuran	0.25
Fluoranthene	4.4
Fluorene	0.29
Indeno(1,2,3-cd)pyrene	1.6 {AB}
2-Methylnaphthalene	0.22
Phenanthrene	3.4
Pyrene	4.2

SB-10	01/08/2019 1.5-2(ft bgs) mg/kg	01/08/2019 17-18(ft bgs) mg/kg
VOC		
Acetone	0.017	0.2 {A} | 0.11 {A}
Benzene	0.00019 J	0.00077 U | 0.00053 U
Carbon Tetrachloride	0.001 U	0.0015 U | 0.001 U
1,2-Dichlorobenzene	0.0021 U	0.0031 U | 0.0021 U
cis-1,2-Dichloroethene	0.001 U	0.0015 U | 0.001 U
Methylene Chloride	0.0053 U	0.0077 U | 0.0053 U
Tetrachloroethene	0.0021	0.0077 U | 0.00053 U
Trichloroethene	0.00053 U	0.0077 U | 0.00053 U
SVOC		
Benzo(a)anthracene	0.39	0.085 J | 0.041 J
Benzo(a)pyrene	0.38	0.082 J | 0.16 U
Benzo(b)fluoranthene	0.53	0.1 J | 0.054 J
Benzo(k)fluoranthene	0.16	0.14 U | 0.12 U
Chrysene	0.39	0.083 J | 0.037 J
Dibenz(a,h)anthracene	0.08 J	0.14 U | 0.12 U
Dibenzofuran	0.028 J	0.22 U | 0.2 U
Fluoranthene	0.76	0.16 | 0.067 J
Fluorene	0.044 J	0.22 U | 0.2 U
Indeno(1,2,3-cd)pyrene	0.26	0.057 J | 0.032 J
2-Methylnaphthalene	0.21 U	0.27 U | 0.24 U
Phenanthrene	0.44	0.1 J | 0.037 J
Pyrene	0.64	0.16 | 0.065 J
PEST		
4,4-DDD	0.00172 U	0.00221 U | 0.00192 U
4,4-DDE	0.001 J	0.00221 U | 0.00192 U
4,4-DDT	0.00323 U	0.00414 U | 0.00359 U
Dieldrin	0.00108 U	0.00138 U | 0.0012 U
PCB		
PCBs (total)	0.036 U	0.0446 U | 0.04 U
INORG		
Arsenic	6.16	1.74 | 3.9
Cadmium	0.515 J	0.355 J | 0.212 J
Chromium (total)	11.6 {A}	24.2 {AB} | 11 {A}
Cobalt	4.69	7.57 | 4.85
Copper	36.1	15.8 | 14.4
Iron	12200 {B}	14600 {B} | 11100 {B}
Lead	116 {A}	26.2 | 79.3 {A}
Magnesium	2340	5200 | 4620
Manganese	182	398 | 257
Mercury	0.187 {A}	0.061 J | 0.262 {A}
Nickel	10.6	22.8 | 12.3
Selenium	0.643 J	0.549 J | 1.92 U
Silver	0.858 U	1.08 U | 0.962 U
Sodium	313	162 J | 180 J
Zinc	139 {A}	57.7 | 55.7

SB-11	01/07/2019 1.5-2(ft bgs) mg/kg	01/07/2019 8.5-9(ft bgs) mg/kg
VOC		
Acetone	0.012 U	0.2 {A}
Benzene	0.0006 U	0.0013 U
Carbon Tetrachloride	0.0012 U	0.0025 U
1,2-Dichlorobenzene	0.0024 U	0.005 U
cis-1,2-Dichloroethene	0.0012 U	0.0025 U
Methylene Chloride	0.006 U	0.013 U
Tetrachloroethene	0.0006 U	0.0013 U
Trichloroethene	0.0006 U	0.0013 U
SVOC		
Benzo(a)anthracene	0.43	0.23 U
Benzo(a)pyrene	0.49	0.31 U
Benzo(b)fluoranthene	0.96	0.23 U
Benzo(k)fluoranthene	0.26	0.23 U
Chrysene	0.58	0.23 U
Dibenz(a,h)anthracene	0.095 J	0.23 U
Dibenzofuran	0.047 J	0.38 U
Fluoranthene	0.67	0.23 U
Fluorene	0.031 J	0.38 U
Indeno(1,2,3-cd)pyrene	0.34	0.31 U
2-Methylnaphthalene	0.091 J	0.46 U
Phenanthrene	0.32	0.23 U
Pyrene	0.63	0.23 U
PEST		
4,4-DDD	0.00187 U	0.00368 U
4,4-DDE	0.007 {A}	0.00368 U
4,4-DDT	0.0267 {A}	0.00689 U
Dieldrin	0.00287	0.0023 U
PCB		
PCBs (total)	0.0916 J	0.0733 U
INORG		
Arsenic	9.64	6.71
Cadmium	0.411 J	0.422 J
Chromium (total)	5.82 {A}	11.3 {A}
Cobalt	6.23	54.4 {B}
Copper	38	13.3
Iron	8150 {B}	8540 {B}
Lead	31	8.99 J
Magnesium	274	1310
Manganese	74.2	61.8
Mercury	0.16	0.147 U
Nickel	10.1	84 {A}
Selenium	1.74 J	4.25 {A}
Silver	0.935 U	1.83 U
Sodium	209	610
Zinc	162 {A}	201 {A}

SB-9	01/08/2019 1.5-2(ft bgs) mg/kg	01/08/2019 14-15(ft bgs) mg/kg
VOC		
Acetone	0.023	0.098 {A}
Benzene	0.00048 U	0.00046 U
Carbon Tetrachloride	0.00095 U	0.00092 U
1,2-Dichlorobenzene	0.0019 U	0.0018 U
cis-1,2-Dichloroethene	0.00095 U	0.00092 U
Methylene Chloride	0.0048 U	0.0046 U
Tetrachloroethene	0.00048 U	0.00046 U
Trichloroethene	0.00048 U	0.00046 U
SVOC		
Benzo(a)anthracene	0.16	92 {ABC}
Benzo(a)pyrene	0.16	68 {ABC}
Benzo(b)fluoranthene	0.23	82 {ABC}
Benzo(k)fluoranthene	0.076 J	27 {AB}
Chrysene	0.16	78 {ABC}
Dibenz(a,h)anthracene	0.028 J	9.6 {ABC}
Dibenzofuran	0.17 U	18 {AB}
Fluoranthene	0.29	190 {AB}
Fluorene	0.017 J	34 {A}
Indeno(1,2,3-cd)pyrene	0.091 J	38 {ABC}
2-Methylnaphthalene	0.061 J	7 {B}
Phenanthrene	0.16	210 {AB}
Pyrene	0.25	160 {AB}
PEST		
4,4-DDD	0.00166 U	0.00176 U
4,4-DDE	0.000456 J	0.00571 {A}
4,4-DDT	0.00311 U	0.00329 U
Dieldrin	0.00104 U	0.0011 U
PCB		
PCBs (total)	0.0347 U	0.0363 U
INORG		
Arsenic	2.74	4.09
Cadmium	0.296 J	0.398 J
Chromium (total)	29.3 {AB}	18 {A}
Cobalt	6.18	7.86
Copper	23.9	57.4 {A}
Iron	11800 {B}	13100 {B}
Lead	41.6	150 {A}
Magnesium	1490	2340
Manganese	196	206
Mercury	0.083	0.086
Nickel	9.58	10.2
Selenium	1.6 U	0.322 J
Silver	0.801 U	0.847 U
Sodium	162	120 J
Zinc	85	139 {A}

SB-12	01/07/2019 1.5-2(ft bgs) mg/kg	01/07/2019 8.5-9(ft bgs) mg/kg
VOC		
Acetone	0.045	0.0083 U
Benzene	0.00079 U	0.00041 U
Carbon Tetrachloride	0.0016 U	0.00083 U
1,2-Dichlorobenzene	0.0032 U	0.0016 U
cis-1,2-Dichloroethene	0.0016 U	0.00083 U
Methylene Chloride	0.0079 U	0.0041 U
Tetrachloroethene	0.00079 U	0.00039 J
Trichloroethene	0.00079 U	0.00041 U
SVOC		
Benzo(a)anthracene	1.5 {AB}	0.11 U
Benzo(a)pyrene	1.4 {ABC}	0.15 U
Benzo(b)fluoranthene	2.7 {AB}	0.11 U
Benzo(k)fluoranthene	0.72	0.11 U
Chrysene	1.5 {AB}	0.11 U
Dibenz(a,h)anthracene	0.28	0.11 U
Dibenzofuran	0.13 J	0.19 U
Fluoranthene	2.2	0.11 U
Fluorene	0.087 J	0.19 U
Indeno(1,2,3-cd)pyrene	1.1 {AB}	0.15 U
2-Methylnaphthalene	0.45 {B}	0.22 U
Phenanthrene	1.1	0.11 U
Pyrene	2.2	0.11 U
PEST		
4,4-DDD	0.0149 {A}	0.00173 U
4,4-DDE	0.00647 {A}	0.00173 U
4,4-DDT	0.00924 {A}	0.00324 U
Dieldrin	0.0102 {A}	0.00108 U
PCB		
PCBs (total)	0.275 {A}	0.0367 U
INORG		
Arsenic	4.63	1.78
Cadmium	1.94	0.864 U
Chromium (total)	15.4 {A}	10.1 {A}
Cobalt	4.79	4.74
Copper	48.2	17.3
Iron	14000 {B}	10600 {B}
Lead	86.6 {A}	6.71
Magnesium	3800	1720
Manganese	172	94.3
Mercury	0.235 {A}	0.073 U
Nickel	14.8	7.99
Selenium	0.571 J	0.536 J
Silver	0.97	0.864 U
Sodium	156 J	76.7 J
Zinc	97.3	21.3

LEGEND:

- SUBJECT PROPERTY BOUNDARY (APPROXIMATE)
- ABANDONED RAILROAD TRACKS (APPROXIMATE)
- COMBINED SEWER OUTFALL
- FLOOR DRAIN
- CLEAN OUT
- SOIL BORING

NOTE:
1. ALL SITE FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.

NYSDEC Soil Cleanup Objectives	{A}	{B}	{C}
Chemical	Unrestricted SCO	Residential SCO	Commercial SCO
VOC			
Acetone	0.05	100	500
Benzene	0.06	2.9	44
Carbon Tetrachloride	0.76	1.4	22
1,2-Dichlorobenzene	1.1	100	500
cis-1,2-Dichloroethene	0.25	59	500
Methylene Chloride	0.05	51	500
Tetrachloroethene	1.3	5.5	150
Trichloroethene	0.47	10	200
SVOC			
Benzo(a)anthracene	1	1	5.6
Benzo(a)pyrene	1	1	1
Benzo(b)fluoranthene	1	1	5.6
Benzo(k)fluoranthene	0.8	1	56
Chrysene	1	1	56
Dibenz(a,h)anthracene	0.33	0.33	0.56
Dibenzofuran	7	14	350
Fluoranthene	100	100	500
Fluorene	30	100	500
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6
2-Methylnaphthalene		0.41	
Phenanthrene	100	100	500
Pyrene	100	100	500
Pest			
4,4-DDD	0.0033	2.6	92
4,4-DDE	0.0033	1.8	62
4,4-DDT	0.0033	1.7	47
Dieldrin	0.005	0.039	1.4
PCB			
PCBs (total)	0.1	1	1
INORG			
Arsenic	13	16	16
Cadmium	2.5	2.5	9.3
Chromium (total)	1	22	400
Cobalt		30	
Copper	50	270	270
Iron		2000	
Lead	63	400	1000
Magnesium			
Manganese	1600	2000	10000
Mercury	0.18	0.81	2.8
Nickel	30	140	310
Selenium	3.9	36	1500
Silver	2	36	1500
Sodium			
Zinc	109	2200	10000

U -- Not Detected.
J -- Estimated Concentration.
SCO -- Soil Cleanup Objectives

{A} Exceeds Unrestricted SCO
{B} Exceeds Residential SCO
{C} Exceeds Commercial SCO

NOTE
1. All concentrations are presented in mg/kg.

40 0 40 80
SCALE IN FEET

REV.	DATE	DR.	CH.	REVISION

MAP OF SOIL ANALYTICAL RESULTS

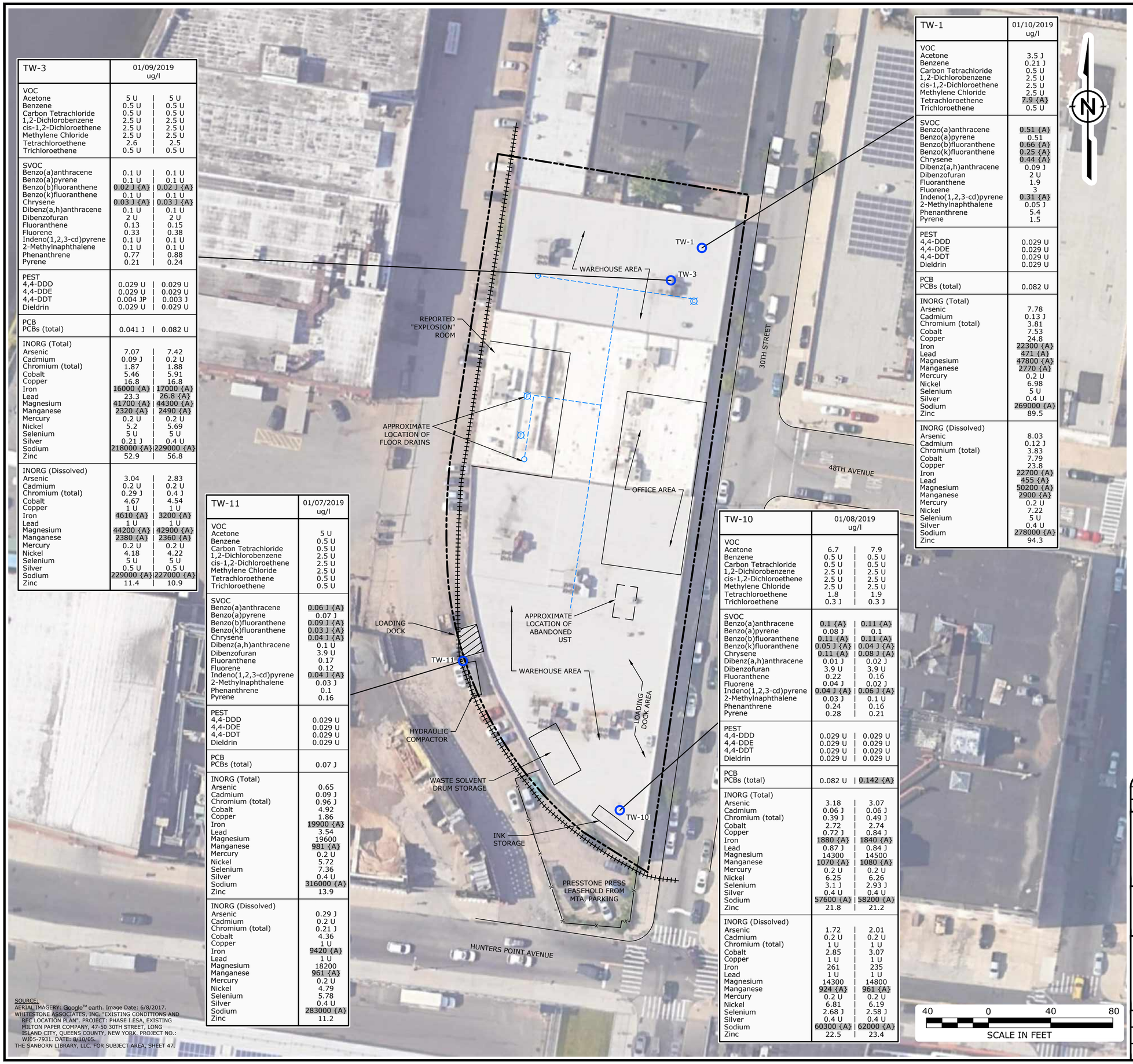
47 - 50 30TH STREET
NEW YORK, NEW YORK

RAMBOLL

PREPARED BY: MP	DATE: 01/31/2019	FIGURE 4
DRAFTED BY: DLB	SCALE: AS SHOWN	
APPROVED BY: MS	PROJECT: 1690010617	

SOURCE:
AERIAL IMAGERY: Google™ earth. Image Date: 6/8/2017.
WHITESTONE ASSOCIATES, INC. "EXISTING CONDITIONS AND REC LOCATION PLAN". PROJECT: PHASE I ESA, EXISTING MILTON PAPER COMPANY, 47-50 30TH STREET, LONG ISLAND CITY, QUEENS COUNTY, NEW YORK. PROJECT NO.: WJ05-7931. DATE: 8/10/05.
THE SANBORN LIBRARY, LLC. FOR SUBJECT AREA, SHEET 47.

DBLANCHARD 1/31/19
F:\1690010617_ARE - 30TH ST NY ENV STUDY_PH2 RIR_VCP RIR < DATA_SOIL >



TW-3	01/09/2019 ug/l	
VOC		
Acetone	5 U	5 U
Benzene	0.5 U	0.5 U
Carbon Tetrachloride	0.5 U	0.5 U
1,2-Dichlorobenzene	2.5 U	2.5 U
cis-1,2-Dichloroethene	2.5 U	2.5 U
Methylene Chloride	2.5 U	2.5 U
Tetrachloroethene	2.6	2.5
Trichloroethene	0.5 U	0.5 U
SVOC		
Benzo(a)anthracene	0.1 U	0.1 U
Benzo(a)pyrene	0.1 U	0.1 U
Benzo(b)fluoranthene	0.02 J {A}	0.02 J {A}
Benzo(k)fluoranthene	0.1 U	0.1 U
Chrysene	0.03 J {A}	0.03 J {A}
Dibenz(a,h)anthracene	0.1 U	0.1 U
Dibenzofuran	2 U	2 U
Fluoranthene	0.13	0.15
Fluorene	0.33	0.38
Indeno(1,2,3-cd)pyrene	0.1 U	0.1 U
2-Methylnaphthalene	0.1 U	0.1 U
Phenanthrene	0.77	0.88
Pyrene	0.21	0.24
PEST		
4,4-DDD	0.029 U	0.029 U
4,4-DDE	0.029 U	0.029 U
4,4-DDT	0.004 JP	0.003 J
Dieldrin	0.029 U	0.029 U
PCB		
PCBs (total)	0.041 J	0.082 U
INORG (Total)		
Arsenic	7.07	7.42
Cadmium	0.09 J	0.2 U
Chromium (total)	1.87	1.88
Cobalt	5.46	5.91
Copper	16.8	16.8
Iron	16000 {A}	17000 {A}
Lead	23.3	26.8 {A}
Magnesium	41700 {A}	44300 {A}
Manganese	2320 {A}	2490 {A}
Mercury	0.2 U	0.2 U
Nickel	5.2	5.69
Selenium	5 U	5 U
Silver	0.21 J	0.4 U
Sodium	218000 {A}	229000 {A}
Zinc	52.9	56.8
INORG (Dissolved)		
Arsenic	3.04	2.83
Cadmium	0.2 U	0.2 U
Chromium (total)	0.29 J	0.4 J
Cobalt	4.67	4.54
Copper	1 U	1 U
Iron	4610 {A}	3200 {A}
Lead	1 U	1 U
Magnesium	44200 {A}	42900 {A}
Manganese	2380 {A}	2360 {A}
Mercury	0.2 U	0.2 U
Nickel	4.18	4.22
Selenium	5 U	5 U
Silver	0.5 U	0.5 U
Sodium	229000 {A}	227000 {A}
Zinc	11.4	10.9

TW-11	01/07/2019 ug/l
VOC	
Acetone	5 U
Benzene	0.5 U
Carbon Tetrachloride	0.5 U
1,2-Dichlorobenzene	2.5 U
cis-1,2-Dichloroethene	2.5 U
Methylene Chloride	2.5 U
Tetrachloroethene	0.5 U
Trichloroethene	0.5 U
SVOC	
Benzo(a)anthracene	0.06 J {A}
Benzo(a)pyrene	0.07 J
Benzo(b)fluoranthene	0.09 J {A}
Benzo(k)fluoranthene	0.03 J {A}
Chrysene	0.04 J {A}
Dibenz(a,h)anthracene	0.1 U
Dibenzofuran	3.9 U
Fluoranthene	0.17
Fluorene	0.12
Indeno(1,2,3-cd)pyrene	0.04 J {A}
2-Methylnaphthalene	0.03 J
Phenanthrene	0.1
Pyrene	0.16
PEST	
4,4-DDD	0.029 U
4,4-DDE	0.029 U
4,4-DDT	0.029 U
Dieldrin	0.029 U
PCB	
PCBs (total)	0.07 J
INORG (Total)	
Arsenic	0.65
Cadmium	0.09 J
Chromium (total)	0.96 J
Cobalt	4.92
Copper	1.86
Iron	19900 {A}
Lead	3.54
Magnesium	19600
Manganese	981 {A}
Mercury	0.2 U
Nickel	5.72
Selenium	7.36
Silver	0.4 U
Sodium	316000 {A}
Zinc	13.9
INORG (Dissolved)	
Arsenic	0.29 J
Cadmium	0.2 U
Chromium (total)	0.21 J
Cobalt	4.36
Copper	1 U
Iron	9420 {A}
Lead	1 U
Magnesium	18200
Manganese	961 {A}
Mercury	0.2 U
Nickel	4.79
Selenium	5.78
Silver	0.4 U
Sodium	283000 {A}
Zinc	11.2

TW-1	01/10/2019 ug/l
VOC	
Acetone	3.5 J
Benzene	0.21 J
Carbon Tetrachloride	0.5 U
1,2-Dichlorobenzene	2.5 U
cis-1,2-Dichloroethene	2.5 U
Methylene Chloride	2.5 U
Tetrachloroethene	7.9 {A}
Trichloroethene	0.5 U
SVOC	
Benzo(a)anthracene	0.51 {A}
Benzo(a)pyrene	0.51
Benzo(b)fluoranthene	0.66 {A}
Benzo(k)fluoranthene	0.25 {A}
Chrysene	0.44 {A}
Dibenz(a,h)anthracene	0.09 J
Dibenzofuran	2 U
Fluoranthene	1.9
Fluorene	3
Indeno(1,2,3-cd)pyrene	0.31 {A}
2-Methylnaphthalene	0.05 J
Phenanthrene	5.4
Pyrene	1.5
PEST	
4,4-DDD	0.029 U
4,4-DDE	0.029 U
4,4-DDT	0.029 U
Dieldrin	0.029 U
PCB	
PCBs (total)	0.082 U
INORG (Total)	
Arsenic	7.78
Cadmium	0.13 J
Chromium (total)	3.81
Cobalt	7.53
Copper	24.8
Iron	22300 {A}
Lead	471 {A}
Magnesium	47800 {A}
Manganese	2770 {A}
Mercury	0.2 U
Nickel	6.98
Selenium	5 U
Silver	0.4 U
Sodium	269000 {A}
Zinc	89.5
INORG (Dissolved)	
Arsenic	8.03
Cadmium	0.12 J
Chromium (total)	3.83
Cobalt	7.79
Copper	23.8
Iron	22700 {A}
Lead	455 {A}
Magnesium	50200 {A}
Manganese	2900 {A}
Mercury	0.2 U
Nickel	7.22
Selenium	5 U
Silver	0.4 U
Sodium	278000 {A}
Zinc	94.3

TW-10	01/08/2019 ug/l	
VOC		
Acetone	6.7	7.9
Benzene	0.5 U	0.5 U
Carbon Tetrachloride	0.5 U	0.5 U
1,2-Dichlorobenzene	2.5 U	2.5 U
cis-1,2-Dichloroethene	2.5 U	2.5 U
Methylene Chloride	2.5 U	2.5 U
Tetrachloroethene	1.8	1.9
Trichloroethene	0.3 J	0.3 J
SVOC		
Benzo(a)anthracene	0.1 {A}	0.11 {A}
Benzo(a)pyrene	0.08 J	0.1
Benzo(b)fluoranthene	0.11 {A}	0.11 {A}
Benzo(k)fluoranthene	0.05 J {A}	0.04 J {A}
Chrysene	0.11 {A}	0.08 J {A}
Dibenz(a,h)anthracene	0.01 J	0.02 J
Dibenzofuran	3.9 U	3.9 U
Fluoranthene	0.22	0.16
Fluorene	0.04 J	0.02 J
Indeno(1,2,3-cd)pyrene	0.04 J {A}	0.06 J {A}
2-Methylnaphthalene	0.03 J	0.1 U
Phenanthrene	0.24	0.16
Pyrene	0.28	0.21
PEST		
4,4-DDD	0.029 U	0.029 U
4,4-DDE	0.029 U	0.029 U
4,4-DDT	0.029 U	0.029 U
Dieldrin	0.029 U	0.029 U
PCB		
PCBs (total)	0.082 U	0.142 {A}
INORG (Total)		
Arsenic	3.18	3.07
Cadmium	0.06 J	0.06 J
Chromium (total)	0.39 J	0.49 J
Cobalt	2.72	2.74
Copper	0.72 J	0.84 J
Iron	1880 {A}	1840 {A}
Lead	0.87 J	0.84 J
Magnesium	14300	14500
Manganese	1070 {A}	1080 {A}
Mercury	0.2 U	0.2 U
Nickel	6.25	6.26
Selenium	3.1 J	2.93 J
Silver	0.4 U	0.4 U
Sodium	57600 {A}	58200 {A}
Zinc	21.8	21.2
INORG (Dissolved)		
Arsenic	1.72	2.01
Cadmium	0.2 U	0.2 U
Chromium (total)	1 U	1 U
Cobalt	2.85	3.07
Copper	1 U	1 U
Iron	261	235
Lead	1 U	1 U
Magnesium	14300	14800
Manganese	924 {A}	961 {A}
Mercury	0.2 U	0.2 U
Nickel	6.81	6.19
Selenium	2.68 J	2.58 J
Silver	0.4 U	0.4 U
Sodium	60300 {A}	62000 {A}
Zinc	22.5	23.4

LEGEND:

- SUBJECT PROPERTY BOUNDARY (APPROXIMATE)
- ABANDONED RAILROAD TRACKS (APPROXIMATE)
- COMBINED SEWER OUTFALL
- FLOOR DRAIN
- CLEAN OUT
- TEMPORARY WELL/ GROUNDWATER SAMPLE

NOTE:
1. ALL SITE FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.

Chemical	NYSDEC Groundwater Criteria {A} Fresh Groundwater (GA) Criteria
VOC	
Acetone	50
Benzene	1
Carbon Tetrachloride	5
1,2-Dichlorobenzene	3
cis-1,2-Dichloroethene	5
Methylene Chloride	5
Tetrachloroethene	5
Trichloroethene	5
SVOC	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Dibenz(a,h)anthracene	
Dibenzofuran	
Fluoranthene	50
Fluorene	50
Indeno(1,2,3-cd)pyrene	0.002
2-Methylnaphthalene	
Phenanthrene	50
Pyrene	50
Pest	
4,4-DDD	0.3
4,4-DDE	0.2
4,4-DDT	0.2
Dieldrin	0.004
PCB	
PCBs (total)	0.09
INORG	
Arsenic	25
Cadmium	5
Chromium (total)	50
Cobalt	
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Mercury	0.7
Nickel	100
Selenium	10
Silver	50
Sodium	20000
Zinc	2000

U -- Not Detected.
J -- Estimated Concentration.
P -- The RPD between the results for the two columns exceeds the method-specified criteria.

{A} Exceeds Fresh GW Criteria

NOTE:
All concentrations are presented in ug/L.

SOURCE:
AERIAL IMAGERY: Google™ earth. Image Date: 6/8/2017.
WHITESTONE ASSOCIATES, INC. "EXISTING CONDITIONS AND REC LOCATION PLAN". PROJECT: PHASE I ESA, EXISTING MILTON PAPER COMPANY, 47-50 30TH STREET, LONG ISLAND CITY, QUEENS COUNTY, NEW YORK. PROJECT NO.: WJ05-7931. DATE: 8/10/05.
THE SANBORN LIBRARY, LLC. FOR SUBJECT AREA, SHEET 47.

40 0 40 80
SCALE IN FEET

REV.	DATE	DR.	CH.	REVISION

MAP OF GROUNDWATER ANALYTICAL RESULTS

47 - 50 30TH STREET
NEW YORK, NEW YORK

RAMBOLL

PREPARED BY: MP	DATE: 01/31/2019	FIGURE 5
DRAFTED BY: DLB	SCALE: AS SHOWN	
APPROVED BY: MS	PROJECT: 1690010617	

DBLANCHARD 1/31/19
F:\1690010617_ARE - 30TH ST NY ENV STUDY_PH2 RIR_VCP RIR < DATA_GW >



LEGEND:

- SUBJECT PROPERTY BOUNDARY (APPROXIMATE)
- ABANDONED RAILROAD TRACKS (APPROXIMATE)
- COMBINED SEWER OUTFALL
- FLOOR DRAIN
- CLEAN OUT
- SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- AMBIENT AIR SAMPLE

NOTE:
1. ALL SITE FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.

NYSDOH Soil Vapor Intrusion Concentrations		
Chemical	{A} Matrix A,B,C Sub-Slab Vapor Concentration	{B} Matrix A,B,C Indoor Air Concentration
VOC		
Acetone		
Benzene		
Carbon Tetrachloride	6	0.2
1,2-Dichlorobenzene		
cis-1,2-Dichloroethene	6	0.2
Methylene Chloride	100	3
Tetrachloroethene	100	3
Trichloroethene	6	0.2

U -- Not Detected.
J -- Estimated Concentration.

{A} Exceeds Matrix A,B,C Sub-Slab Vapor Concentration
{B} Exceeds Matrix A,B,C Indoor Air Concentration

NOTES:
All concentrations are presented in ug/m^3.

40 0 40 80
SCALE IN FEET

REV.	DATE	DR.	CH.	REVISION

MAP OF AIR AND SOIL VAPOR ANALYTICAL RESULTS

47 - 50 30TH STREET
NEW YORK, NEW YORK

RAMBOLL

PREPARED BY: MP	DATE: 01/31/2019	FIGURE 6
DRAFTED BY: DLB	SCALE: AS SHOWN	
APPROVED BY: MS	PROJECT: 1690010617	

SOURCE:
AERIAL IMAGERY: Google™ earth. Image Date: 6/8/2017.
WHITESTONE ASSOCIATES, INC. "EXISTING CONDITIONS AND REC LOCATION PLAN". PROJECT: PHASE I ESA, EXISTING MILTON PAPER COMPANY, 47-50 30TH STREET, LONG ISLAND CITY, QUEENS COUNTY, NEW YORK. PROJECT NO.: WJ05-7931. DATE: 8/10/05.
THE SANBORN LIBRARY, LLC. FOR SUBJECT AREA, SHEET 47.

DBLANCHARD 1/31/19
F:\1690010617_ARE - 30TH ST NY ENV STUDY_PH2 RIR_VCP RIR < DATA_AIR >

TABLES

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TABLE 1. Well Construction Details
ARE
47-50 30th Street
Long Island City, New York

Boring ID	Date of Construction	Total Depth (ft)	Diameter (in)	Construction Material	GPS Coordinates
Soil Borings					
SB-1	1/10/2019	18	2.25	NA	40.7418302, -073.9381335
SB-2	1/9/2019	3	2.25		40.7418711, -073.9384630
SB-2A	1/9/2019	6	2.25		40.7418513, -073.9384424
SB-3	1/9/2019	18	2.25		40.7417729, -073.9382055
SB-6	1/7/2019	18	2.25		40.7411917, -073.9386300
SB-8	1/7/2019	3	2.25		40.7411535, -073.9383291
SB-8A	1/7/2019	3	2.25		40.7411285, -073.9383226
SB-9	1/8/2019	15	2.25		40.7410186, -073.9384200
SB-10	1/8/2019	18	2.25		40.7408367, -073.9383251
SB-11	1/7/2019	9	2.25		40.7411007, -073.9386893
SB-12	1/7/2019	9	2.25		40.7407384, -073.9383897
Soil Vapor Borings					
SV-1	1/10/2019	18	NA	Teflon lined tubing	40.7418302, -073.9381335
SV-2	1/9/2019	3			40.7418711, -073.9384630
SV-3	1/9/2019	18			40.7417729, -073.9382055
SV-6	1/7/2019	18			40.7411917, -073.9386300
SV-8	1/7/2019	3			40.7411535, -073.9383291
SV-9	1/8/2019	15			40.7410186, -073.9384200
SV-10	1/8/2019	18			40.7408367, -073.9383251
Temporary Wells					
TW-1	1/10/2019	18	2	PVC	40.7418302, -073.9381335
TW-3	1/9/2019	18	2		40.7417729, -073.9382055
TW-10	1/9/2019	18	2		40.7408367, -073.9383251
TW-11	1/7/2019	9	2		40.7411007, -073.9386893

TABLE 2. Depth to Groundwater
ARE
47-50 30th Street
Long Island City, New York

Well ID	Date Gauged	Feet
TW-1	10-Jan-19	9.5
TW-3	9-Jan-19	9.67
TW-10	9-Jan-19	9.82
TW-11	7-Jan-19	9.5

TABLE 3. Summary of Indoor Air Sampling Results
ARE
47-50 30th St
Long Island City, New York

Location	NYSDOH Matrix A, B, C Air Conc	AA01	IA01	IA02	IA04	IA06	IA10
Field Sample ID		**AA01-20190112**	**IA1-20190112**	**IA2-20190112**	**IA4-20190112**	**IA6-20190112**	**IA10-20190112**
Lab Sample ID		**L1901642-01**	**L1901642-06**	**L1901642-03**	**L1901642-02**	**L1901642-04**	**L1901642-05**
Matrix		**Ambient Air**	**Indoor Air**	**Indoor Air**	**Indoor Air**	**Indoor Air**	**Indoor Air**
Sample Date		**01/13/2019**	**01/13/2019**	**01/13/2019**	**01/13/2019**	**01/13/2019**	**01/13/2019**
Comments							
VOC							
Acetone		7.08 (2.38)	118 (2.38)	88.4 (2.38)	118 (2.38)	259 (2.38)	257 (2.38)
Benzene		U (0.639)	0.7 (0.639)	U (0.639)	0.684 (0.639)	0.674 (0.639)	0.668 (0.639)
2-Butanone		U (1.47)	2.38 (1.47)	1.77 (1.47)	1.54 (1.47)	2.11 (1.47)	2.24 (1.47)
Carbon Disulfide		3.43 (0.623)	U (0.623)	U (0.623)	U (0.623)	U (0.623)	U (0.623)
Carbon Tetrachloride	0.2	**0.51 (0.126)**	**0.478 (0.126)**	**0.491 (0.126)**	**0.497 (0.126)**	**0.478 (0.126)**	**0.453 (0.126)**
Chloromethane		1.22 (0.413)	1.06 (0.413)	1.07 (0.413)	1.05 (0.413)	1.17 (0.413)	0.991 (0.413)
Cyclohexane		U (0.688)	1.18 (0.688)	1 (0.688)	1.47 (0.688)	2.52 (0.688)	3.27 (0.688)
Dichlorodifluoromethane		3.35 (0.989)	2.57 (0.989)	2.53 (0.989)	2.76 (0.989)	2.81 (0.989)	2.48 (0.989)
Ethanol		U (9.42)	69.9 (9.42)	60.5 (9.42)	108 (9.42)	200 (9.42)	91.6 (9.42)
Acetic acid, ethyl ester		U (1.8)	U (1.8)	U (1.8)	U (1.8)	1.97 (1.8)	1.84 (1.8)
Ethyl Benzene		U (0.869)	1.54 (0.869)	1.35 (0.869)	1.82 (0.869)	3.81 (0.869)	5 (0.869)
4-Ethyltoluene		U (0.983)	76.7 (0.983)	72.8 (0.983)	109 (0.983)	188 (0.983)	242 (0.983)
n-Heptane		U (0.82)	6.72 (0.82)	5.9 (0.82)	14.5 (0.82)	39.5 (0.82)	57 (0.82)
n-Hexane		U (0.705)	2.8 (0.705)	2.62 (0.705)	3.59 (0.705)	5.04 (0.705)	3.51 (0.705)
Isopropanol		1.66 (1.23)	126 (1.23)	102 (1.23)	112 (1.23)	199 (1.23)	175 (1.23)
Methylene Chloride	3	U (1.74)	**5.66 (1.74)**	**3.58 (1.74)**	2.55 (1.74)	2.13 (1.74)	2.31 (1.74)
Styrene		U (0.852)	1.79 (0.852)	1.55 (0.852)	1.96 (0.852)	2.33 (0.852)	1.63 (0.852)
tert-Butyl alcohol		U (1.52)	U (1.52)	U (1.52)	U (1.52)	2.49 (1.52)	1.87 (1.52)
Tetrachloroethene	3	2.15 (0.136)	**390 (0.271)**	**356 (0.271)**	**191 (0.136)**	**28.5 (0.136)**	**25.4 (0.136)**
Toluene		0.803 (0.754)	3.96 (0.754)	3.1 (0.754)	4.9 (0.754)	10.4 (0.754)	13 (0.754)
Trichloroethene	0.2	U (0.107)	**1.2 (0.107)**	**1.13 (0.107)**	**0.629 (0.107)**	0.134 (0.107)	0.129 (0.107)
Trichlorofluoromethane		1.88 (1.12)	1.5 (1.12)	1.53 (1.12)	1.49 (1.12)	1.68 (1.12)	1.48 (1.12)
1,2,4-Trimethylbenzene		1.12 (0.983)	328 (0.983)	261 (0.983)	371 (0.983)	806 (2.46)	934 (2.46)
1,3,5-Trimethylbenzene		U (0.983)	100 (0.983)	78.2 (0.983)	115 (0.983)	232 (0.983)	282 (0.983)
m,p-xylene		U (1.74)	7.99 (1.74)	6.91 (1.74)	10.3 (1.74)	22.5 (1.74)	28.8 (1.74)
ortho-xylene		U (0.869)	13.6 (0.869)	10.9 (0.869)	16.7 (0.869)	35.5 (0.869)	44.7 (0.869)
Xylenes (total)		U (0.869)	21.6 (0.869)	17.8 (0.869)	27 (0.869)	57.8 (0.869)	73.4 (0.869)

Notes:
1 All concentrations are presented in ug/m3.
2 Only compounds with at least one detection are shown.
Concentrations that exceed the 3 NYSDOH Matrix A, B, C Air Conc are **boldfaced**.

Abbreviations:
U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB01	SB01	SB01	SB02	SB03	SB03	SB06	SB06
Field Sample ID				SB1-SS01-20190110	SB1-SS02-20190110	SB1-SS02DUP-20190110	SB2-SS01-20190109	SB3-SS01-20190109	SB3-SS02-20190109	SB6-SS01-20190107	SB6-SS02-20190107
Lab Sample ID				L1901467-01	L1901467-02	L1901467-03	L1901252-01	L1901252-02	L1901252-03	L1900836-06	L1900836-07
Collection Depth (ft bgs)				0 - 3	17.5 - 18	17.5 - 18	0 - 3	2 - 3	16 - 18	1.5 - 2	7.5 - 8
Sample Date				1/10/2019	1/10/2019	1/10/2019	1/9/2019	1/9/2019	1/9/2019	1/7/2019	1/7/2019
Comments						Field Duplicate					
VOC											
Acetone	0.05	100	500	U (0.73)	**0.13 (0.018)**	**0.062 (0.014)**	U (1)	U (0.52)	0.034 (0.0091)	0.045 (0.012)	0.048 (0.012)
Benzene	0.06	100	44	U (0.036)	0.0048 (0.00088)	0.0027 (0.00068)	U (0.052)	U (0.026)	U (0.00046)	0.00054 J (0.00062)	U (0.00062)
1,2,4,5-Tetramethylbenzene				U (0.15)	U (0.0035)	U (0.0027)	U (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
1,4-Diethylbenzene				U (0.15)	U (0.0035)	U (0.0027)	U (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
2-Butanone	0.12	100	500	U (0.73)	0.022 (0.018)	0.01 J (0.014)	U (1)	U (0.52)	0.0029 J (0.0091)	U (0.012)	U (0.012)
Carbon Disulfide				U (0.73)	0.032 (0.018)	0.018 (0.014)	U (1)	U (0.52)	U (0.0091)	U (0.012)	U (0.012)
Chloroform	0.37	49	350	U (0.11)	U (0.0026)	U (0.002)	U (0.15)	U (0.078)	0.00013 J (0.0014)	U (0.0018)	U (0.0018)
Cumene				U (0.073)	U (0.0018)	U (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
p-Cymene				U (0.073)	U (0.0018)	U (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
1,2-Dichlorobenzene	1.1	100	500	U (0.15)	U (0.0035)	U (0.0027)	**5.1 (0.21)**	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
1,3-Dichlorobenzene	2.4	49	280	U (0.15)	U (0.0035)	U (0.0027)	0.27 (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
1,4-Dichlorobenzene	1.8	13	130	U (0.15)	U (0.0035)	U (0.0027)	1.1 (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
Ethyl Benzene	1	41	390	U (0.073)	0.00036 J (0.0018)	0.00035 J (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
4-Ethyltoluene				U (0.15)	0.0034 J (0.0035)	0.0021 J (0.0027)	U (0.21)	0.024 J (0.1)	0.0016 J (0.0018)	0.0027 (0.0025)	0.0029 (0.0025)
Naphthalene	12	100	500	0.16 J (0.29)	U (0.007)	U (0.0055)	U (0.41)	0.035 J (0.21)	0.0038 (0.0036)	U (0.0049)	U (0.0049)
n-Propylbenzene	3.9	100	500	U (0.073)	0.00074 J (0.0018)	0.00047 J (0.0014)	U (0.1)	U (0.052)	0.00032 J (0.00091)	0.00056 J (0.0012)	0.00051 J (0.0012)
Tetrachloroethene	1.3	19	150	**7.4 (0.036)**	0.025 (0.00088)	0.0042 (0.00068)	**18 (0.052)**	**6.8 (0.026)**	0.0005 (0.00046)	0.046 (0.00062)	0.052 (0.00062)
Toluene	0.7	100	500	U (0.073)	0.001 J (0.0018)	U (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
1,2,3-Trichlorobenzene				U (0.15)	U (0.0035)	U (0.0027)	0.054 J (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
1,2,4-Trichlorobenzene				U (0.15)	U (0.0035)	U (0.0027)	0.57 (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
Trichloroethene	0.47	21	200	0.017 J (0.036)	U (0.00088)	U (0.00068)	0.023 J (0.052)	U (0.026)	U (0.00046)	U (0.00062)	U (0.00062)
1,2,4-Trimethylbenzene	3.6	52	190	0.026 J (0.15)	0.0039 (0.0035)	0.002 J (0.0027)	U (0.21)	0.028 J (0.1)	0.0018 (0.0018)	0.0027 (0.0025)	0.0027 (0.0025)
1,3,5-Trimethylbenzene	8.4	52	190	U (0.15)	0.0013 J (0.0035)	0.0007 J (0.0027)	U (0.21)	0.011 J (0.1)	0.00058 J (0.0018)	0.0013 J (0.0025)	0.0011 J (0.0025)
m,p-xylene				U (0.15)	U (0.0035)	U (0.0027)	U (0.21)	U (0.1)	U (0.0018)	U (0.0025)	U (0.0025)
ortho-xylene				U (0.073)	U (0.0018)	U (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
Xylenes (total)	0.26	100	500	U (0.073)	U (0.0018)	U (0.0014)	U (0.1)	U (0.052)	U (0.00091)	U (0.0012)	U (0.0012)
SVOC											
Acenaphthene	20	100	500	0.38 (0.29)	0.042 J (0.26)	0.4 J (0.47)	0.26 J (0.28)	0.069 J (0.28)	0.47 (0.15)	0.19 (0.14)	U (0.17)
Acenaphthylene	100	100	500	0.23 J (0.29)	U (0.26)	U (0.47)	0.31 (0.28)	0.22 J (0.28)	0.16 (0.15)	0.17 (0.14)	U (0.17)
Acetophenone				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
Anthracene	100	100	500	1.2 (0.22)	U (0.19)	0.31 J (0.35)	0.64 (0.21)	0.34 (0.21)	0.84 (0.11)	0.73 (0.11)	U (0.13)
Benzo(a)anthracene	1	1	5.6	**5.5 (0.22)**	0.12 J (0.19)	0.21 J (0.35)	**1.8 (0.21)**	**1.2 (0.21)**	**1.3 (0.11)**	**3.2 (0.11)**	0.028 J (0.13)
Benzo(a)pyrene	1	1	1	***7.4 (0.29)***	0.1 J (0.26)	0.19 J (0.47)	***1.8 (0.28)***	***1.1 (0.28)***	***1.3 (0.15)***	***3.1 (0.14)***	U (0.17)
Benzo(b)fluoranthene	1	1	5.6	***8.6 (0.22)***	0.12 J (0.19)	0.22 J (0.35)	**2.6 (0.21)**	**1.8 (0.21)**	**1.5 (0.11)**	**3.9 (0.11)**	U (0.13)
Benzo(g,h,i)perylene	100	100	500	6.9 (0.29)	0.099 J (0.26)	0.12 J (0.47)	1.3 (0.28)	0.98 (0.28)	0.59 (0.15)	1.7 (0.14)	U (0.17)
Benzo(k)fluoranthene	0.8	3.9	56	**2.7 (0.22)**	U (0.19)	0.096 J (0.35)	0.77 (0.21)	0.58 (0.21)	0.56 (0.11)	**1.2 (0.11)**	U (0.13)
Benzyl Alcohol				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
1,1-Biphenyl				U (0.82)	U (0.74)	U (1.3)	U (0.79)	U (0.81)	U (0.44)	U (0.41)	U (0.49)
bis(2-Ethylhexyl)phthalate				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
Butylbenzylphthalate				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB01	SB01	SB01	SB02	SB03	SB03	SB06	SB06
Field Sample ID				**SB1-SS01-20190110**	**SB1-SS02-20190110**	**SB1-SS02DUP-20190110**	**SB2-SS01-20190109**	**SB3-SS01-20190109**	**SB3-SS02-20190109**	**SB6-SS01-20190107**	**SB6-SS02-20190107**
Lab Sample ID				**L1901467-01**	**L1901467-02**	**L1901467-03**	**L1901252-01**	**L1901252-02**	**L1901252-03**	**L1900836-06**	**L1900836-07**
Collection Depth (ft bgs)				**0 - 3**	**17.5 - 18**	**17.5 - 18**	**0 - 3**	**2 - 3**	**16 - 18**	**1.5 - 2**	**7.5 - 8**
Sample Date				**1/10/2019**	**1/10/2019**	**1/10/2019**	**1/9/2019**	**1/9/2019**	**1/9/2019**	**1/7/2019**	**1/7/2019**
Comments						**Field Duplicate**					
SVOC *(Continued)*											
Carbazole				0.46 (0.36)	U (0.32)	0.079 J (0.59)	0.3 J (0.35)	0.13 J (0.35)	0.17 J (0.19)	0.33 (0.18)	U (0.22)
Chrysene	1	3.9	56	**5.6 (0.22)**	0.13 J (0.19)	0.35 (0.35)	**1.8 (0.21)**	**1.2 (0.21)**	**1.2 (0.11)**	**2.8 (0.11)**	U (0.13)
Dibenz(a,h)anthracene	0.33	0.33	0.56	***1.5 (0.22)***	U (0.19)	U (0.35)	0.31 (0.21)	0.2 J (0.21)	0.14 (0.11)	**0.5 (0.11)**	U (0.13)
Dibenzofuran	7	59	350	0.2 J (0.36)	0.034 J (0.32)	0.12 J (0.59)	0.15 J (0.35)	0.052 J (0.35)	0.18 J (0.19)	0.11 J (0.18)	U (0.22)
1,2-Dichlorobenzene	1.1	100	500	U (0.36)	U (0.32)	U (0.59)	**2.5 (0.35)**	U (0.35)	U (0.19)	U (0.18)	U (0.22)
1,3-Dichlorobenzene	2.4	49	280	U (0.36)	U (0.32)	U (0.59)	0.16 J (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
1,4-Dichlorobenzene	1.8	13	130	U (0.36)	U (0.32)	U (0.59)	0.59 (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
Dimethylphthalate				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
Di-n-butylphthalate				U (0.36)	U (0.32)	U (0.59)	U (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
Fluoranthene	100	100	500	7.5 (0.22)	0.23 (0.19)	0.49 (0.35)	3.7 (0.21)	2.1 (0.21)	3.5 (0.11)	4.2 (0.11)	0.042 J (0.13)
Fluorene	30	100	500	0.37 (0.36)	0.054 J (0.32)	0.4 J (0.59)	0.22 J (0.35)	0.072 J (0.35)	0.58 (0.19)	0.21 (0.18)	U (0.22)
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	***6.6 (0.29)***	0.083 J (0.26)	0.12 J (0.47)	**1.3 (0.28)**	**0.88 (0.28)**	**0.65 (0.15)**	**2 (0.14)**	U (0.17)
2-Methylnaphthalene				0.22 J (0.43)	U (0.39)	U (0.71)	0.13 J (0.42)	0.071 J (0.42)	0.17 J (0.23)	0.06 J (0.21)	U (0.26)
2-Methylphenol	0.33	100	500	U (0.36)	U (0.32)	U (0.59)	0.067 J (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
3&4-Methylphenol				U (0.52)	0.16 J (0.46)	0.12 J (0.85)	U (0.5)	U (0.51)	0.032 J (0.27)	U (0.26)	U (0.31)
Naphthalene	12	100	500	0.4 (0.36)	0.22 J (0.32)	0.29 J (0.59)	0.19 J (0.35)	0.09 J (0.35)	0.33 (0.19)	0.12 J (0.18)	U (0.22)
Phenanthrene	100	100	500	4.9 (0.22)	0.21 (0.19)	1.3 (0.35)	2.5 (0.21)	1.1 (0.21)	2.8 (0.11)	1.9 (0.11)	U (0.13)
Pyrene	100	100	500	7.6 (0.22)	0.22 (0.19)	0.48 (0.35)	3.2 (0.21)	1.8 (0.21)	3 (0.11)	4.2 (0.11)	0.043 J (0.13)
1,2,4,5-Tetrachlorobenzene				U (0.36)	U (0.32)	U (0.59)	0.076 J (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
1,2,4-Trichlorobenzene				U (0.36)	U (0.32)	U (0.59)	0.39 (0.35)	U (0.35)	U (0.19)	U (0.18)	U (0.22)
PEST											
gamma-BHC	0.1	1.3	9.2	U (0.000719)	U (0.0131)	U (0.0116)	U (0.000668)	U (0.000699)	U (0.00076)	U (0.000681)	U (0.000836)
Chlordane (total)				U (0.014)	U (0.255)	U (0.227)	U (0.013)	U (0.0136)	U (0.0148)	U (0.0133)	U (0.0163)
alpha-Chlordane	0.094	4.2	24	U (0.00216)	U (0.0392)	U (0.0349)	U (0.002)	U (0.0021)	U (0.00228)	U (0.00204)	U (0.00251)
gamma-Chlordane				U (0.00216)	U (0.0392)	U (0.0349)	U (0.002)	U (0.0021)	U (0.00228)	U (0.00204)	U (0.00251)
4,4'-DDD	0.0033	13	92	U (0.00173)	U (0.0314)	U (0.0279)	U (0.0016)	U (0.00168)	U (0.00182)	U (0.00163)	U (0.00201)
4,4'-DDE	0.0033	8.9	62	0.00316 (0.00173)	U (0.0314)	U (0.0279)	U (0.0016)	U (0.00168)	U (0.00182)	U (0.00163)	U (0.00201)
4,4'-DDT	0.0033	7.9	47	U (0.00324)	U (0.0588)	U (0.0524)	U (0.003)	U (0.00315)	U (0.00342)	U (0.00306)	U (0.00376)
Dieldrin	0.005	0.2	1.4	U (0.00108)	U (0.0196)	U (0.0175)	U (0.001)	U (0.00105)	U (0.00114)	U (0.00102)	U (0.00125)
Endosulfan II	2.4	24	200	U (0.00173)	U (0.0314)	U (0.0279)	U (0.0016)	U (0.00168)	U (0.00182)	U (0.00163)	U (0.00201)
Heptachlor	0.042	2.1	15	U (0.000863)	U (0.0157)	U (0.014)	U (0.000801)	U (0.000839)	U (0.000912)	U (0.000817)	U (0.001)
Heptachlor epoxide				U (0.00324)	U (0.0588)	U (0.0524)	U (0.003)	U (0.00315)	U (0.00342)	U (0.00306)	U (0.00376)
PCB											
PCBs (total)	0.1	1	1	0.0475 (0.0364)	U (0.311)	U (0.296)	0.00512 J (0.0334)	0.0444 (0.0361)	U (0.0375)	0.00805 J (0.0344)	U (0.0425)
Aroclor-1254				U (0.0364)	U (0.311)	U (0.296)	U (0.0334)	U (0.0361)	U (0.0375)	U (0.0344)	U (0.0425)
Aroclor-1260				U (0.0364)	U (0.311)	U (0.296)	U (0.0334)	U (0.0361)	U (0.0375)	0.00805 J (0.0344)	U (0.0425)
Aroclor-1268				0.0475 (0.0364)	U (0.311)	U (0.296)	0.00512 J (0.0334)	0.0444 (0.0361)	U (0.0375)	U (0.0344)	U (0.0425)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB01	SB01	SB01	SB02	SB03	SB03	SB06	SB06
Field Sample ID				**SB1-SS01-20190110**	**SB1-SS02-20190110**	**SB1-SS02DUP-20190110**	**SB2-SS01-20190109**	**SB3-SS01-20190109**	**SB3-SS02-20190109**	**SB6-SS01-20190107**	**SB6-SS02-20190107**
Lab Sample ID				**L1901467-01**	**L1901467-02**	**L1901467-03**	**L1901252-01**	**L1901252-02**	**L1901252-03**	**L1900836-06**	**L1900836-07**
Collection Depth (ft bgs)				**0 - 3**	**17.5 - 18**	**17.5 - 18**	**0 - 3**	**2 - 3**	**16 - 18**	**1.5 - 2**	**7.5 - 8**
Sample Date				**1/10/2019**	**1/10/2019**	**1/10/2019**	**1/9/2019**	**1/9/2019**	**1/9/2019**	**1/7/2019**	**1/7/2019**
Comments						**Field Duplicate**					
INORG											
Aluminum				6290 (8.76)	9080 (15.3)	13600 (13.9)	10600 (8.38)	10800 (8.58)	2050 (9.19)	6230 (8.35)	8250 (9.84)
Antimony				13.6 (4.38)	U (7.66)	U (6.94)	22.5 (4.19)	43 (4.29)	U (4.59)	1.73 J (4.17)	0.679 J (4.92)
Arsenic	13	16	16	**15.2 (0.876)**	6.87 (1.53)	**13.6 (1.39)**	12.5 (0.838)	***17.1 (0.858)***	0.606 J (0.919)	4.27 (0.835)	5.52 (0.984)
Barium	350	400	400	49.3 (0.876)	53.8 (1.53)	48.7 (1.39)	173 (0.838)	304 (0.858)	18.7 (0.919)	71.8 (0.835)	47.1 (0.984)
Beryllium	7.2	72	590	0.158 J (0.438)	0.322 J (0.766)	0.597 J (0.694)	0.402 J (0.419)	0.386 J (0.429)	0.101 J (0.459)	0.267 J (0.417)	0.315 J (0.492)
Cadmium	2.5	4.3	9.3	**3.48 (0.876)**	0.521 J (1.53)	0.5 J (1.39)	U (0.838)	U (0.858)	U (0.919)	0.3 J (0.835)	U (0.984)
Calcium				27600 (8.76)	3620 (15.3)	3500 (13.9)	17100 (8.38)	23800 (8.58)	591 (9.19)	5640 (8.35)	3360 (9.84)
Chromium (total)	1	110	400	**94.8 (0.876)**	**22.5 (1.53)**	**25.7 (1.39)**	**179 (0.838)**	**190 (0.858)**	**6.56 (0.919)**	**25.3 (0.835)**	**17.1 (0.984)**
Cobalt				604 (1.75)	9.64 (3.06)	10.8 (2.78)	1660 (1.68)	1100 (1.72)	3.25 (1.84)	12.8 (1.67)	5.13 (1.97)
Cobalt	50	270	270	***1670 (0.876)***	37 (1.53)	**51 (1.39)**	***1880 (0.838)***	***2170 (0.858)***	8.32 (0.919)	**91.9 (0.835)**	42.6 (0.984)
Cyanide (total)	27	27	27				1.1 (1)	U (1.1)	U (1.1)	U (1.1)	U (1.3)
Iron				52500 (43.8)	21700 (7.66)	21800 (6.94)	99200 (41.9)	108000 (42.9)	4610 (4.59)	15200 (4.17)	14200 (4.92)
Lead	63	400	1000	***1720 (4.38)***	**263 (7.66)**	**91.3 (6.94)**	***1450 (4.19)***	***2470 (4.29)***	11 (4.59)	**112 (4.17)**	21.7 (4.92)
Magnesium				3490 (8.76)	4260 (15.3)	4810 (13.9)	5320 (8.38)	5300 (8.58)	1010 (9.19)	1950 (8.35)	2060 (9.84)
Manganese	1600	2000	10000	1370 (0.876)	300 (1.53)	225 (1.39)	1400 (0.838)	**4600 (0.858)**	203 (0.919)	241 (0.835)	156 (0.984)
Mercury	0.18	0.81	2.8	**2.12 (0.069)**	0.052 J (0.124)	**1.2 (0.112)**	0.172 (0.066)	**0.433 (0.068)**	U (0.073)	0.135 (0.069)	0.1 (0.082)
Nickel	30	310	310	**38.2 (2.19)**	15 (3.83)	24.2 (3.47)	**64.2 (2.09)**	**71.4 (2.14)**	4.87 (2.3)	16.2 (2.09)	10.5 (2.46)
Potassium				1520 (219)	1930 (383)	2450 (347)	1930 (209)	2350 (214)	298 (230)	872 (209)	1120 (246)
Selenium	3.9	180	1500	1.54 J (1.75)	U (3.06)	0.611 J (2.78)	0.829 J (1.68)	2.08 (1.72)	U (1.84)	1.12 J (1.67)	1.12 J (1.97)
Silver	2	180	1500	1.23 (0.876)	U (1.53)	U (1.39)	1.62 (0.838)	**3.1 (0.858)**	U (0.919)	U (0.835)	U (0.984)
Sodium				870 (175)	2860 (306)	2100 (278)	1770 (168)	2420 (172)	56.5 J (184)	276 (167)	93.1 J (197)
Thallium				4.61 (1.75)	U (3.06)	U (2.78)	U (16.8)	U (17.2)	U (1.84)	U (1.67)	U (1.97)
Vanadium				33.5 (0.876)	36.4 (1.53)	36.5 (1.39)	35.6 (0.838)	36.8 (0.858)	7.95 (0.919)	23.5 (0.835)	21.6 (0.984)
Zinc	109	10000	10000	**6170 (4.38)**	**134 (7.66)**	104 (6.94)	***16600 (41.9)***	***18000 (42.9)***	24.3 (4.59)	**545 (4.17)**	35.2 (4.92)

Notes:
1 All concentrations are presented in mg/kg (ppm).
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDEC Unrestricted SCO are **boldfaced**.
4 Concentrations that exceed the NYSDEC Restricted Residential SCO are underlined.
5 Concentrations that exceed the NYSDEC Commercial SCO are *italicized* .

Abbreviations:
U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.
--- Not Analyzed

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB06	SB08	SB08A	SB09	SB09	SB10	SB10	SB10
Field Sample ID				**SB6-SS03-20190107**	**SB8-SS01-20190107**	**SB8A-SS01-20190107**	**SB9-SS01-20190108**	**SB9-SS02-20190108**	**SB10-SS01-20190108**	**SB10-SS02-20190108**	**SB10-SS02DUP-20190108**
Lab Sample ID				**L1900836-09**	**L1900836-08**	**L1900836-02**	**L1900984-01**	**L1900984-02**	**L1900984-03**	**L1900984-04**	**L1900984-05**
Collection Depth (ft bgs)				**15 - 16**	**1.5 - 2**	**1.5 - 2**	**1.5 - 2**	**14 - 15**	**1.5 - 2**	**17 - 18**	**17 - 18**
Sample Date				**1/7/2019**	**1/7/2019**	**1/7/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**
Comments											**Field Duplicate**
VOC											
Acetone	0.05	100	500	U (1.2)	**0.093 (0.0096)**	**0.066 (0.0092)**	0.023 (0.0095)	**0.098 (0.0092)**	0.017 (0.01)	**0.2 (0.015)**	**0.11 (0.01)**
Benzene	0.06	100	44	**0.1 (0.061)**	U (0.00048)	U (0.00046)	U (0.00048)	U (0.00046)	0.00019 J (0.00053)	U (0.00077)	U (0.00053)
1,2,4,5-Tetramethylbenzene				U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	0.0028 (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
1,4-Diethylbenzene				U (0.24)	U (0.0019)	U (0.0018)	0.00054 J (0.0019)	0.00061 J (0.0018)	U (0.0021)	0.00061 J (0.0031)	0.00028 J (0.0021)
2-Butanone	0.12	100	500	U (1.2)	U (0.0096)	U (0.0092)	U (0.0095)	0.01 (0.0092)	U (0.01)	0.03 (0.015)	0.014 (0.01)
Carbon Disulfide				U (1.2)	U (0.0096)	U (0.0092)	U (0.0095)	U (0.0092)	U (0.01)	0.015 (0.015)	0.0064 J (0.01)
Chloroform	0.37	49	350	U (0.18)	U (0.0014)	U (0.0014)	U (0.0014)	U (0.0014)	U (0.0016)	U (0.0023)	U (0.0016)
Cumene				U (0.12)	0.00048 J (0.00096)	0.00024 J (0.00092)	0.00083 J (0.00095)	0.00043 J (0.00092)	0.00012 J (0.001)	0.00069 J (0.0015)	0.00039 J (0.001)
p-Cymene				U (0.12)	U (0.00096)	U (0.00092)	U (0.00095)	0.0014 (0.00092)	U (0.001)	U (0.0015)	U (0.001)
1,2-Dichlorobenzene	1.1	100	500	U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
1,3-Dichlorobenzene	2.4	49	280	U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
1,4-Dichlorobenzene	1.8	13	130	U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
Ethyl Benzene	1	41	390	0.02 J (0.12)	U (0.00096)	U (0.00092)	U (0.00095)	U (0.00092)	U (0.001)	U (0.0015)	U (0.001)
4-Ethyltoluene				U (0.24)	0.0098 (0.0019)	0.005 (0.0018)	0.02 (0.0019)	0.0099 (0.0018)	0.0024 (0.0021)	0.018 (0.0031)	0.0092 (0.0021)
Naphthalene	12	100	500	0.23 J (0.49)	U (0.0038)	U (0.0037)	U (0.0038)	0.0056 (0.0037)	U (0.0042)	U (0.0062)	U (0.0042)
n-Propylbenzene	3.9	100	500	U (0.12)	0.0019 (0.00096)	0.00096 (0.00092)	0.0043 (0.00095)	0.002 (0.00092)	0.00049 J (0.001)	0.0036 (0.0015)	0.0018 (0.001)
Tetrachloroethene	1.3	19	150	0.16 (0.061)	U (0.00048)	U (0.00046)	U (0.00048)	U (0.00046)	0.0021 (0.00053)	U (0.00077)	U (0.00053)
Toluene	0.7	100	500	U (0.12)	U (0.00096)	U (0.00092)	U (0.00095)	0.00061 J (0.00092)	U (0.001)	0.0011 J (0.0015)	U (0.001)
1,2,3-Trichlorobenzene				U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
1,2,4-Trichlorobenzene				U (0.24)	U (0.0019)	U (0.0018)	U (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
Trichloroethene	0.47	21	200	U (0.061)	U (0.00048)	U (0.00046)	U (0.00048)	U (0.00046)	U (0.00053)	U (0.00077)	U (0.00053)
1,2,4-Trimethylbenzene	3.6	52	190	0.05 J (0.24)	0.0097 (0.0019)	0.0059 (0.0018)	0.018 (0.0019)	0.011 (0.0018)	0.0024 (0.0021)	0.018 (0.0031)	0.0091 (0.0021)
1,3,5-Trimethylbenzene	8.4	52	190	U (0.24)	0.0038 (0.0019)	0.0022 (0.0018)	0.0062 (0.0019)	0.0035 (0.0018)	0.0012 J (0.0021)	0.0063 (0.0031)	0.0033 (0.0021)
m,p-xylene				U (0.24)	U (0.0019)	U (0.0018)	0.00056 J (0.0019)	U (0.0018)	U (0.0021)	U (0.0031)	U (0.0021)
ortho-xylene				U (0.12)	0.00087 J (0.00096)	0.00034 J (0.00092)	0.0012 (0.00095)	0.00053 J (0.00092)	U (0.001)	0.00095 J (0.0015)	0.00062 J (0.001)
Xylenes (total)	0.26	100	500	U (0.12)	0.00087 J (0.00096)	0.00034 J (0.00092)	0.0018 J (0.00095)	0.00053 J (0.00092)	U (0.001)	0.00095 J (0.0015)	0.00062 J (0.001)
SVOC											
Acenaphthene	20	100	500	0.17 (0.16)	0.071 J (0.15)	0.31 (0.15)	U (0.14)	16 (1.4)	0.042 J (0.14)	U (0.18)	U (0.16)
Acenaphthylene	100	100	500	U (0.16)	0.12 J (0.15)	0.3 (0.15)	U (0.14)	11 (1.4)	0.032 J (0.14)	U (0.18)	U (0.16)
Acetophenone				U (0.21)	0.026 J (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
Anthracene	100	100	500	0.091 J (0.12)	0.24 (0.11)	0.92 (0.11)	0.04 J (0.1)	55 (1.1)	0.11 (0.11)	U (0.14)	U (0.12)
Benzo(a)anthracene	1	1	5.6	0.29 (0.12)	0.93 (0.11)	**2.5 (0.11)**	0.16 (0.1)	***92 (11)***	0.39 (0.11)	0.085 J (0.14)	0.041 J (0.12)
Benzo(a)pyrene	1	1	1	0.28 (0.16)	0.94 (0.15)	***2.4 (0.15)***	0.16 (0.14)	***68 (1.4)***	0.38 (0.14)	0.082 J (0.18)	U (0.16)
Benzo(b)fluoranthene	1	1	5.6	0.33 (0.12)	**1.2 (0.11)**	**3 (0.11)**	0.23 (0.1)	***82 (11)***	0.53 (0.11)	0.1 J (0.14)	0.054 J (0.12)
Benzo(g,h,i)perylene	100	100	500	0.16 (0.16)	0.66 (0.15)	1.5 (0.15)	0.08 J (0.14)	33 (1.4)	0.23 (0.14)	0.054 J (0.18)	0.03 J (0.16)
Benzo(k)fluoranthene	0.8	3.9	56	0.084 J (0.12)	0.41 (0.11)	**0.99 (0.11)**	0.076 J (0.1)	**27 (1.1)**	0.16 (0.11)	U (0.14)	U (0.12)
Benzyl Alcohol				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	0.084 J (0.18)	U (0.22)	U (0.2)
1,1-Biphenyl				U (0.47)	U (0.42)	0.056 J (0.42)	U (0.4)	3.6 J (4.1)	U (0.4)	U (0.52)	U (0.46)
bis(2-Ethylhexyl)phthalate				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
Butylbenzylphthalate				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB06	SB08	SB08A	SB09	SB09	SB10	SB10	SB10
Field Sample ID				**SB6-SS03-20190107**	**SB8-SS01-20190107**	**SB8A-SS01-20190107**	**SB9-SS01-20190108**	**SB9-SS02-20190108**	**SB10-SS01-20190108**	**SB10-SS02-20190108**	**SB10-SS02DUP-20190108**
Lab Sample ID				**L1900836-09**	**L1900836-08**	**L1900836-02**	**L1900984-01**	**L1900984-02**	**L1900984-03**	**L1900984-04**	**L1900984-05**
Collection Depth (ft bgs)				**15 - 16**	**1.5 - 2**	**1.5 - 2**	**1.5 - 2**	**14 - 15**	**1.5 - 2**	**17 - 18**	**17 - 18**
Sample Date				**1/7/2019**	**1/7/2019**	**1/7/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**
Comments											**Field Duplicate**
SVOC *(Continued)*											
Carbazole				0.026 J (0.21)	0.11 J (0.18)	0.39 (0.18)	0.021 J (0.17)	14 (1.8)	0.058 J (0.18)	U (0.22)	U (0.2)
Chrysene	1	3.9	56	0.29 (0.12)	0.95 (0.11)	**2.2 (0.11)**	0.16 (0.1)	***78 (11)***	0.39 (0.11)	0.083 J (0.14)	0.037 J (0.12)
Dibenz(a,h)anthracene	0.33	0.33	0.56	0.045 J (0.12)	0.17 (0.11)	**0.36 (0.11)**	0.028 J (0.1)	***9.6 (1.1)***	0.08 J (0.11)	U (0.14)	U (0.12)
Dibenzofuran	7	59	350	0.048 J (0.21)	0.064 J (0.18)	0.25 (0.18)	U (0.17)	**18 (1.8)**	0.028 J (0.18)	U (0.22)	U (0.2)
1,2-Dichlorobenzene	1.1	100	500	U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
1,3-Dichlorobenzene	2.4	49	280	U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
1,4-Dichlorobenzene	1.8	13	130	U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
Dimethylphthalate				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
Di-n-butylphthalate				U (0.21)	U (0.18)	0.086 J (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
Fluoranthene	100	100	500	0.59 (0.12)	1.6 (0.11)	4.4 (0.11)	0.29 (0.1)	**190 (11)**	0.76 (0.11)	0.16 (0.14)	0.067 J (0.12)
Fluorene	30	100	500	0.064 J (0.21)	0.06 J (0.18)	0.29 (0.18)	0.017 J (0.17)	**34 (1.8)**	0.044 J (0.18)	U (0.22)	U (0.2)
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.18 (0.16)	**0.76 (0.15)**	**1.6 (0.15)**	0.091 J (0.14)	***38 (1.4)***	0.26 (0.14)	0.057 J (0.18)	0.032 J (0.16)
2-Methylnaphthalene				U (0.25)	0.073 J (0.22)	0.22 (0.22)	0.061 J (0.21)	7 (2.2)	U (0.21)	U (0.27)	U (0.24)
2-Methylphenol	0.33	100	500	U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
3&4-Methylphenol				0.12 J (0.3)	U (0.26)	U (0.26)	U (0.25)	0.46 J (2.6)	U (0.26)	U (0.32)	U (0.29)
Naphthalene	12	100	500	0.16 J (0.21)	0.12 J (0.18)	0.32 (0.18)	0.028 J (0.17)	6.6 (1.8)	0.036 J (0.18)	0.04 J (0.22)	U (0.2)
Phenanthrene	100	100	500	0.21 (0.12)	1.1 (0.11)	3.4 (0.11)	0.16 (0.1)	**210 (11)**	0.44 (0.11)	0.1 J (0.14)	0.037 J (0.12)
Pyrene	100	100	500	0.62 (0.12)	1.5 (0.11)	4.2 (0.11)	0.25 (0.1)	**160 (11)**	0.64 (0.11)	0.16 (0.14)	0.065 J (0.12)
1,2,4,5-Tetrachlorobenzene				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
1,2,4-Trichlorobenzene				U (0.21)	U (0.18)	U (0.18)	U (0.17)	U (1.8)	U (0.18)	U (0.22)	U (0.2)
PEST											
gamma-BHC	0.1	1.3	9.2	U (0.000815)			U (0.00069)	U (0.000732)	U (0.000718)	U (0.00092)	U (0.000799)
Chlordane (total)				U (0.0159)	---	---	U (0.0135)	U (0.0143)	U (0.014)	U (0.0179)	U (0.0156)
alpha-Chlordane	0.094	4.2	24	U (0.00244)	---	---	U (0.00207)	U (0.0022)	U (0.00215)	U (0.00276)	U (0.0024)
gamma-Chlordane				U (0.00244)	---	---	U (0.00207)	U (0.0022)	U (0.00215)	U (0.00276)	U (0.0024)
4,4'-DDD	0.0033	13	92	U (0.00196)	---	---	U (0.00166)	U (0.00176)	U (0.00172)	U (0.00221)	U (0.00192)
4,4'-DDE	0.0033	8.9	62	U (0.00196)	---	---	0.000456 J (0.00166)	**0.00571 (0.00176)**	0.001 J (0.00172)	U (0.00221)	U (0.00192)
4,4'-DDT	0.0033	7.9	47	U (0.00367)	---	---	U (0.00311)	U (0.00329)	U (0.00323)	U (0.00414)	U (0.00359)
Dieldrin	0.005	0.2	1.4	U (0.00122)	---	---	U (0.00104)	U (0.0011)	U (0.00108)	U (0.00138)	U (0.0012)
Endosulfan II	2.4	24	200	U (0.00196)	---	---	U (0.00166)	0.0136 (0.00176)	U (0.00172)	U (0.00221)	U (0.00192)
Heptachlor	0.042	2.1	15	U (0.000978)	---	---	U (0.000828)	U (0.000878)	U (0.000861)	U (0.0011)	U (0.000959)
Heptachlor epoxide				U (0.00367)	---	---	U (0.00311)	U (0.00329)	U (0.00323)	U (0.00414)	U (0.00359)
PCB											
PCBs (total)	0.1	1	1	U (0.041)	---	---	U (0.0347)	U (0.0363)	U (0.036)	U (0.0446)	U (0.04)
Aroclor-1254				U (0.041)	---	---	U (0.0347)	U (0.0363)	U (0.036)	U (0.0446)	U (0.04)
Aroclor-1260				U (0.041)	---	---	U (0.0347)	U (0.0363)	U (0.036)	U (0.0446)	U (0.04)
Aroclor-1268				U (0.041)	---	---	U (0.0347)	U (0.0363)	U (0.036)	U (0.0446)	U (0.04)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB06	SB08	SB08A	SB09	SB09	SB10	SB10	SB10
Field Sample ID				**SB6-SS03-20190107**	**SB8-SS01-20190107**	**SB8A-SS01-20190107**	**SB9-SS01-20190108**	**SB9-SS02-20190108**	**SB10-SS01-20190108**	**SB10-SS02-20190108**	**SB10-SS02DUP-20190108**
Lab Sample ID				**L1900836-09**	**L1900836-08**	**L1900836-02**	**L1900984-01**	**L1900984-02**	**L1900984-03**	**L1900984-04**	**L1900984-05**
Collection Depth (ft bgs)				**15 - 16**	**1.5 - 2**	**1.5 - 2**	**1.5 - 2**	**14 - 15**	**1.5 - 2**	**17 - 18**	**17 - 18**
Sample Date				**1/7/2019**	**1/7/2019**	**1/7/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**	**1/8/2019**
Comments											**Field Duplicate**
INORG											
Aluminum				3540 (9.86)	---	---	5590 (8.01)	5060 (8.47)	5000 (8.58)	6210 (10.8)	7120 (9.62)
Antimony				8.98 (4.93)	---	---	0.489 J (4.01)	U (4.24)	0.712 J (4.29)	U (5.38)	U (4.81)
Arsenic	13	16	16	2.01 (0.986)	---	---	2.74 (0.801)	4.09 (0.847)	6.16 (0.858)	1.74 (1.08)	3.9 (0.962)
Barium	350	400	400	73.6 (0.986)	---	---	41.3 (0.801)	117 (0.847)	64.6 (0.858)	68.2 (1.08)	118 (0.962)
Beryllium	7.2	72	590	0.118 J (0.493)	---	---	0.144 J (0.401)	0.118 J (0.424)	0.172 J (0.429)	0.129 J (0.538)	0.144 J (0.481)
Cadmium	2.5	4.3	9.3	0.365 J (0.986)	---	---	0.296 J (0.801)	0.398 J (0.847)	0.515 J (0.858)	0.355 J (1.08)	0.212 J (0.962)
Calcium				9600 (9.86)	---	---	6050 (8.01)	9280 (8.47)	18700 (8.58)	4360 (10.8)	38700 (9.62)
Chromium (total)	1	110	400	**9.86 (0.986)**	---	---	**29.3 (0.801)**	**18 (0.847)**	**11.6 (0.858)**	**24.2 (1.08)**	**11 (0.962)**
Cobalt				3.72 (1.97)	---	---	6.18 (1.6)	7.86 (1.69)	4.69 (1.72)	7.57 (2.15)	4.85 (1.92)
Cobalt	50	270	270	47.3 (0.986)	---	---	23.9 (0.801)	**57.4 (0.847)**	36.1 (0.858)	15.8 (1.08)	14.4 (0.962)
Cyanide (total)	27	27	27	U (1.2)	---	---	U (0.98)	0.23 J (1.1)	U (1.1)	U (1.4)	U (1.2)
Iron				8150 (4.93)	---	---	11800 (4.01)	13100 (4.24)	12200 (4.29)	14600 (5.38)	11100 (4.81)
Lead	63	400	1000	**620 (4.93)**	---	---	41.6 (4.01)	**150 (4.24)**	**116 (4.29)**	26.2 (5.38)	**79.3 (4.81)**
Magnesium				1780 (9.86)	---	---	1490 (8.01)	2340 (8.47)	2340 (8.58)	5200 (10.8)	4620 (9.62)
Manganese	1600	2000	10000	125 (0.986)	---	---	196 (0.801)	206 (0.847)	182 (0.858)	398 (1.08)	257 (0.962)
Mercury	0.18	0.81	2.8	0.164 (0.081)	---	---	0.083 (0.07)	0.086 (0.073)	**0.187 (0.072)**	0.061 J (0.094)	**0.262 (0.081)**
Nickel	30	310	310	9.16 (2.46)	---	---	9.58 (2)	10.2 (2.12)	10.6 (2.14)	22.8 (2.69)	12.3 (2.4)
Potassium				962 (246)	---	---	505 (200)	1070 (212)	961 (214)	3620 (269)	988 (240)
Selenium	3.9	180	1500	0.582 J (1.97)	---	---	U (1.6)	0.322 J (1.69)	0.643 J (1.72)	0.549 J (2.15)	U (1.92)
Silver	2	180	1500	U (0.986)	---	---	U (0.801)	U (0.847)	U (0.858)	U (1.08)	U (0.962)
Sodium				105 J (197)	---	---	162 (160)	120 J (169)	313 (172)	162 J (215)	180 J (192)
Thallium				U (1.97)	---	---	U (1.6)	U (1.69)	U (1.72)	U (2.15)	U (1.92)
Vanadium				10.9 (0.986)	---	---	17.4 (0.801)	16.5 (0.847)	14.5 (0.858)	21.8 (1.08)	20.1 (0.962)
Zinc	109	10000	10000	**172 (4.93)**	---	---	85 (4.01)	**139 (4.24)**	**139 (4.29)**	57.7 (5.38)	55.7 (4.81)

Notes:
1 All concentrations are presented in mg/kg (ppm).
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDEC Unrestricted SCO are **boldfaced**.
4 Concentrations that exceed the NYSDEC Restricted Residential SCO are under
5 Concentrations that exceed the NYSDEC Commercial SCO are *italicized*.

Abbreviations:
U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.
--- Not Analyzed

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB11	SB11	SB12	SB12
Field Sample ID				SB11-SS01-20190107	SB11-SS02-20190107	SB12-SS01-20190107	SB12-SS02-20190107
Lab Sample ID				L1900836-04	L1900836-03	L1900836-05	L1900836-10
Collection Depth (ft bgs)				1.5 - 2	8.5 - 9	1.5 - 2	8.5 - 9
Sample Date				1/7/2019	1/7/2019	1/7/2019	1/7/2019
Comments							
VOC							
Acetone	0.05	100	500	U (0.012)	**0.2 (0.025)**	0.045 (0.016)	U (0.0083)
Benzene	0.06	100	44	U (0.0006)	U (0.0013)	U (0.00079)	U (0.00041)
1,2,4,5-Tetramethylbenzene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
1,4-Diethylbenzene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
2-Butanone	0.12	100	500	U (0.012)	0.039 (0.025)	U (0.016)	U (0.0083)
Carbon Disulfide				U (0.012)	U (0.025)	U (0.016)	U (0.0083)
Chloroform	0.37	49	350	U (0.0018)	U (0.0038)	U (0.0024)	U (0.0012)
Cumene				U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
p-Cymene				U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
1,2-Dichlorobenzene	1.1	100	500	U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
1,3-Dichlorobenzene	2.4	49	280	U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
1,4-Dichlorobenzene	1.8	13	130	U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
Ethyl Benzene	1	41	390	U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
4-Ethyltoluene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
Naphthalene	12	100	500	U (0.0048)	U (0.01)	U (0.0063)	U (0.0033)
n-Propylbenzene	3.9	100	500	U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
Tetrachloroethene	1.3	19	150	U (0.0006)	U (0.0013)	U (0.00079)	0.00039 J (0.00041)
Toluene	0.7	100	500	U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
1,2,3-Trichlorobenzene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
1,2,4-Trichlorobenzene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
Trichloroethene	0.47	21	200	U (0.0006)	U (0.0013)	U (0.00079)	U (0.00041)
1,2,4-Trimethylbenzene	3.6	52	190	U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
1,3,5-Trimethylbenzene	8.4	52	190	U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
m,p-xylene				U (0.0024)	U (0.005)	U (0.0032)	U (0.0016)
ortho-xylene				U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
Xylenes (total)	0.26	100	500	U (0.0012)	U (0.0025)	U (0.0016)	U (0.00083)
SVOC							
Acenaphthene	20	100	500	U (0.15)	U (0.31)	0.085 J (0.16)	U (0.15)
Acenaphthylene	100	100	500	0.22 (0.15)	U (0.31)	0.17 (0.16)	U (0.15)
Acetophenone				0.033 J (0.19)	U (0.38)	0.11 J (0.2)	U (0.19)
Anthracene	100	100	500	0.26 (0.12)	U (0.23)	0.36 (0.12)	U (0.11)
Benzo(a)anthracene	1	1	5.6	0.43 (0.12)	U (0.23)	**1.5 (0.12)**	U (0.11)
Benzo(a)pyrene	1	1	1	0.49 (0.15)	U (0.31)	***1.4 (0.16)***	U (0.15)
Benzo(b)fluoranthene	1	1	5.6	0.96 (0.12)	U (0.23)	**2.7 (0.12)**	U (0.11)
Benzo(g,h,i)perylene	100	100	500	0.36 (0.15)	U (0.31)	1 (0.16)	U (0.15)
Benzo(k)fluoranthene	0.8	3.9	56	0.26 (0.12)	U (0.23)	0.72 (0.12)	U (0.11)
Benzyl Alcohol				U (0.19)	U (0.38)	U (0.2)	U (0.19)
1,1-Biphenyl				U (0.44)	U (0.87)	0.07 J (0.46)	U (0.42)
bis(2-Ethylhexyl)phthalate				9.8 (0.38)	U (0.38)	0.72 (0.2)	U (0.19)
Butylbenzylphthalate				U (0.19)	U (0.38)	0.12 J (0.2)	U (0.19)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB11	SB11	SB12	SB12
Field Sample ID				SB11-SS01-20190107	SB11-SS02-20190107	SB12-SS01-20190107	SB12-SS02-20190107
Lab Sample ID				L1900836-04	L1900836-03	L1900836-05	L1900836-10
Collection Depth (ft bgs)				1.5 - 2	8.5 - 9	1.5 - 2	8.5 - 9
Sample Date				1/7/2019	1/7/2019	1/7/2019	1/7/2019
Comments							
SVOC *(Continued)*							
Carbazole				0.093 J (0.19)	U (0.38)	0.22 (0.2)	U (0.19)
Chrysene	1	3.9	56	0.58 (0.12)	U (0.23)	**1.5 (0.12)**	U (0.11)
Dibenz(a,h)anthracene	0.33	0.33	0.56	0.095 J (0.12)	U (0.23)	0.28 (0.12)	U (0.11)
Dibenzofuran	7	59	350	0.047 J (0.19)	U (0.38)	0.13 J (0.2)	U (0.19)
1,2-Dichlorobenzene	1.1	100	500	U (0.19)	U (0.38)	U (0.2)	U (0.19)
1,3-Dichlorobenzene	2.4	49	280	U (0.19)	U (0.38)	U (0.2)	U (0.19)
1,4-Dichlorobenzene	1.8	13	130	U (0.19)	U (0.38)	U (0.2)	U (0.19)
Dimethylphthalate				U (0.19)	U (0.38)	0.044 J (0.2)	U (0.19)
Di-n-butylphthalate				0.068 J (0.19)	U (0.38)	0.056 J (0.2)	U (0.19)
Fluoranthene	100	100	500	0.67 (0.12)	U (0.23)	2.2 (0.12)	U (0.11)
Fluorene	30	100	500	0.031 J (0.19)	U (0.38)	0.087 J (0.2)	U (0.19)
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.34 (0.15)	U (0.31)	**1.1 (0.16)**	U (0.15)
2-Methylnaphthalene				0.091 J (0.23)	U (0.46)	0.45 (0.24)	U (0.22)
2-Methylphenol	0.33	100	500	U (0.19)	U (0.38)	U (0.2)	U (0.19)
3&4-Methylphenol				U (0.28)	U (0.55)	0.031 J (0.29)	U (0.27)
Naphthalene	12	100	500	0.13 J (0.19)	U (0.38)	0.39 (0.2)	U (0.19)
Phenanthrene	100	100	500	0.32 (0.12)	U (0.23)	1.1 (0.12)	U (0.11)
Pyrene	100	100	500	0.63 (0.12)	U (0.23)	2.2 (0.12)	U (0.11)
1,2,4,5-Tetrachlorobenzene				U (0.19)	U (0.38)	U (0.2)	U (0.19)
1,2,4-Trichlorobenzene				U (0.19)	U (0.38)	U (0.2)	U (0.19)
PEST							
gamma-BHC	0.1	1.3	9.2	U (0.00078)	U (0.00153)	U (0.000786)	U (0.000721)
Chlordane (total)				U (0.0152)	U (0.0299)	0.162 (0.0153)	U (0.014)
alpha-Chlordane	0.094	4.2	24	0.00232 J (0.00234)	U (0.0046)	0.0216 (0.00236)	U (0.00216)
gamma-Chlordane				0.00283 (0.00234)	U (0.0046)	0.0227 (0.00236)	U (0.00216)
4,4'-DDD	0.0033	13	92	U (0.00187)	U (0.00368)	**0.0149 (0.00189)**	U (0.00173)
4,4'-DDE	0.0033	8.9	62	**0.007 (0.00187)**	U (0.00368)	**0.00647 (0.00189)**	U (0.00173)
4,4'-DDT	0.0033	7.9	47	**0.0267 (0.00351)**	U (0.00689)	**0.00924 (0.00354)**	U (0.00324)
Dieldrin	0.005	0.2	1.4	0.00287 (0.00117)	U (0.0023)	**0.0102 (0.00118)**	U (0.00108)
Endosulfan II	2.4	24	200	U (0.00187)	U (0.00368)	0.00103 J (0.00189)	U (0.00173)
Heptachlor	0.042	2.1	15	U (0.000936)	U (0.00184)	0.000658 J (0.000943)	U (0.000865)
Heptachlor epoxide				U (0.00351)	U (0.00689)	0.00518 (0.00354)	U (0.00324)
PCB							
PCBs (total)	0.1	1	1	0.0916 J (0.0383)	U (0.0733)	**0.275 (0.0378)**	U (0.0367)
Aroclor-1254				0.0335 J (0.0383)	U (0.0733)	0.141 (0.0378)	U (0.0367)
Aroclor-1260				0.0581 (0.0383)	U (0.0733)	0.134 (0.0378)	U (0.0367)
Aroclor-1268				U (0.0383)	U (0.0733)	U (0.0378)	U (0.0367)

TABLE 4. Soil Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDEC Unrestricted SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	SB11	SB11	SB12	SB12
Field Sample ID				SB11-SS01-20190107	SB11-SS02-20190107	SB12-SS01-20190107	SB12-SS02-20190107
Lab Sample ID				L1900836-04	L1900836-03	L1900836-05	L1900836-10
Collection Depth (ft bgs)				1.5 - 2	8.5 - 9	1.5 - 2	8.5 - 9
Sample Date				1/7/2019	1/7/2019	1/7/2019	1/7/2019
Comments							
INORG							
Aluminum				3220 (9.35)	5070 (18.3)	4010 (9.51)	5620 (8.64)
Antimony				1.26 J (4.68)	U (9.17)	1.06 J (4.76)	U (4.32)
Arsenic	13	16	16	9.64 (0.935)	6.71 (1.83)	4.63 (0.951)	1.78 (0.864)
Barium	350	400	400	64.5 (0.935)	30.8 (1.83)	48.7 (0.951)	33.1 (0.864)
Beryllium	7.2	72	590	0.29 J (0.468)	0.312 J (0.917)	0.124 J (0.476)	0.216 J (0.432)
Cadmium	2.5	4.3	9.3	0.411 J (0.935)	0.422 J (1.83)	1.94 (0.951)	U (0.864)
Calcium				3440 (9.35)	3490 (18.3)	13900 (9.51)	1120 (8.64)
Chromium (total)	1	110	400	**5.82 (0.935)**	**11.3 (1.83)**	**15.4 (0.951)**	**10.1 (0.864)**
Cobalt				6.23 (1.87)	54.4 (3.67)	4.79 (1.9)	4.74 (1.73)
Cobalt	50	270	270	38 (0.935)	13.3 (1.83)	48.2 (0.951)	17.3 (0.864)
Cyanide (total)	27	27	27	0.25 J (1.1)	U (2.5)	0.26 J (1.2)	U (1.1)
Iron				8150 (4.68)	8540 (9.17)	14000 (4.76)	10600 (4.32)
Lead	63	400	1000	31 (4.68)	8.99 J (9.17)	**86.6 (4.76)**	6.71 (4.32)
Magnesium				274 (9.35)	1310 (18.3)	3800 (9.51)	1720 (8.64)
Manganese	1600	2000	10000	74.2 (0.935)	61.8 (1.83)	172 (0.951)	94.3 (0.864)
Mercury	0.18	0.81	2.8	0.16 (0.074)	U (0.147)	**0.235 (0.077)**	U (0.073)
Nickel	30	310	310	10.1 (2.34)	**84 (4.58)**	14.8 (2.38)	7.99 (2.16)
Potassium				246 (234)	666 (458)	776 (238)	786 (216)
Selenium	3.9	180	1500	1.74 J (1.87)	**4.25 (3.67)**	0.571 J (1.9)	0.536 J (1.73)
Silver	2	180	1500	U (0.935)	U (1.83)	0.97 (0.951)	U (0.864)
Sodium				209 (187)	610 (367)	156 J (190)	76.7 J (173)
Thallium				U (1.87)	U (3.67)	U (1.9)	U (1.73)
Vanadium				20.2 (0.935)	20.8 (1.83)	29.2 (0.951)	17.3 (0.864)
Zinc	109	10000	10000	**162 (4.68)**	**201 (9.17)**	97.3 (4.76)	21.3 (4.32)

Notes:
1 All concentrations are presented in mg/kg (ppm).
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDEC Unrestricted SCO are **boldfaced**.
4 Concentrations that exceed the NYSDEC Restricted Residential SCO are under
5 Concentrations that exceed the NYSDEC Commercial SCO are *italicized* .

Abbreviations:
U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.
--- Not Analyzed

TABLE 5. Groundwater Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NY Fresh Groundwater (GA) Standards	TW01	TW03	TW03	TW10	TW10	TW11
Field Sample ID		TW1-20190110	TW3-20190109	TW3DUP-20190109	TW10-20190108	TW10-DUP-20190108	TW11-20190107
Lab Sample ID		L1901467-07	L1901252-04	L1901252-05	L1900984-06	L1900984-07	L1900836-01
Sample Date		1/10/2019	1/9/2019	1/9/2019	1/8/2019	1/8/2019	1/7/2019
Comments				Field Duplicate		Field Duplicate	
VOC							
Acetone	50	3.5 J (5)	U (5)	U (5)	6.7 (5)	7.9 (5)	U (5)
Benzene	1	0.21 J (0.5)	U (0.5)	U (0.5)	U (0.5)	U (0.5)	U (0.5)
4-Ethyltoluene		U (2)	U (2)	U (2)	0.94 J (2)	0.94 J (2)	U (2)
Tetrachloroethene	5	**7.9 (0.5)**	2.6 (0.5)	2.5 (0.5)	1.8 (0.5)	1.9 (0.5)	U (0.5)
Trichloroethene	5	U (0.5)	U (0.5)	U (0.5)	0.3 J (0.5)	0.3 J (0.5)	U (0.5)
1,2,4-Trimethylbenzene	5	U (2.5)	U (2.5)	U (2.5)	1.3 J (2.5)	1.2 J (2.5)	U (2.5)
Vinyl Chloride	2	U (1)	1.1 (1)	1.1 (1)	U (1)	U (1)	U (1)
SVOC							
Acenaphthene		4.1 (0.1)	4.1 (0.1)	4.5 (0.1)	0.04 J (0.1)	0.02 J (0.1)	0.2 (0.1)
Acenaphthylene		0.07 J (0.1)	0.02 J (0.1)	0.02 J (0.1)	U (0.1)	U (0.1)	U (0.1)
Anthracene	50	0.73 (0.1)	0.11 (0.1)	0.11 (0.1)	0.06 J (0.1)	0.03 J (0.1)	0.03 J (0.1)
Benzo(a)anthracene	0.002	**0.51 (0.1)**	U (0.1)	U (0.1)	**0.1 (0.1)**	**0.11 (0.1)**	**0.06 J (0.1)**
Benzo(a)pyrene		0.51 (0.1)	U (0.1)	U (0.1)	0.08 J (0.1)	0.1 (0.1)	0.07 J (0.1)
Benzo(b)fluoranthene	0.002	**0.66 (0.1)**	**0.02 J (0.1)**	**0.02 J (0.1)**	**0.11 (0.1)**	**0.11 (0.1)**	**0.09 J (0.1)**
Benzo(g,h,i)perylene		0.35 (0.1)	U (0.1)	U (0.1)	0.03 J (0.1)	0.08 J (0.1)	0.04 J (0.1)
Benzo(k)fluoranthene	0.002	**0.25 (0.1)**	U (0.1)	U (0.1)	**0.05 J (0.1)**	**0.04 J (0.1)**	**0.03 J (0.1)**
bis(2-Ethylhexyl)phthalate	5	4 B (3)	2.4 JB (3)	U (3)	U (5.9)	U (5.9)	U (5.9)
Butylbenzylphthalate	50	2.6 J (5)	U (5)	U (5)	U (9.8)	U (9.8)	U (9.8)
Chrysene	0.002	**0.44 (0.1)**	**0.03 J (0.1)**	**0.03 J (0.1)**	**0.11 (0.1)**	**0.08 J (0.1)**	**0.04 J (0.1)**
Dibenz(a,h)anthracene		0.09 J (0.1)	U (0.1)	U (0.1)	0.01 J (0.1)	0.02 J (0.1)	U (0.1)
Fluoranthene	50	1.9 (0.1)	0.13 (0.1)	0.15 (0.1)	0.22 (0.1)	0.16 (0.1)	0.17 (0.1)
Fluorene	50	3 (0.1)	0.33 (0.1)	0.38 (0.1)	0.04 J (0.1)	0.02 J (0.1)	0.12 (0.1)
Indeno(1,2,3-cd)pyrene	0.002	**0.31 (0.1)**	U (0.1)	U (0.1)	**0.04 J (0.1)**	**0.06 J (0.1)**	**0.04 J (0.1)**
2-Methylnaphthalene		0.05 J (0.1)	U (0.1)	U (0.1)	0.03 J (0.1)	U (0.1)	0.03 J (0.1)
Naphthalene		0.11 (0.1)	0.06 J (0.1)	0.06 J (0.1)	0.08 JB (0.1)	U (0.1)	0.45 (0.1)
Phenanthrene	50	5.4 (0.1)	0.77 (0.1)	0.88 (0.1)	0.24 (0.1)	0.16 (0.1)	0.1 (0.1)
Pyrene	50	1.5 (0.1)	0.21 (0.1)	0.24 (0.1)	0.28 (0.1)	0.21 (0.1)	0.16 (0.1)
PEST							
4,4'-DDT	0.2	U (0.029)	0.004 JP (0.029)	0.003 J (0.029)	U (0.029)	U (0.029)	U (0.029)
Endrin aldehyde	5	U (0.029)	U (0.029)	0.007 J (0.029)	U (0.029)	U (0.029)	U (0.029)
PCB							
PCBs (total)	0.09	U (0.082)	0.041 J (0.082)	U (0.082)	U (0.082)	**0.142 (0.082)**	0.07 J (0.082)
Aroclor-1260		U (0.082)	0.041 J (0.082)	U (0.082)	U (0.082)	0.142 (0.082)	0.07 J (0.082)

TABLE 5. Groundwater Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NY Fresh Groundwater (GA) Standards	TW01	TW03	TW03	TW10	TW10	TW11
Field Sample ID		TW1-20190110	TW3-20190109	TW3DUP-20190109	TW10-20190108	TW10-DUP-20190108	TW11-20190107
Lab Sample ID		L1901467-07	L1901252-04	L1901252-05	L1900984-06	L1900984-07	L1900836-01
Sample Date		1/10/2019	1/9/2019	1/9/2019	1/8/2019	1/8/2019	1/7/2019
Comments				Field Duplicate		Field Duplicate	
INORG (total)							
Aluminum		1020 (10)	445 (10)	458 (10)	14.3 (10)	12.4 (10)	203 (10)
Antimony	3	1.18 J (4)	1.7 J (4)	1.76 J (4)	1.86 J (4)	0.93 J (4)	0.46 J (4)
Arsenic	25	7.78 (0.5)	7.07 (0.5)	7.42 (0.5)	3.18 (0.5)	3.07 (0.5)	0.65 (0.5)
Barium	1000	478.3 (0.5)	385.5 (0.5)	404.9 (0.5)	282.1 (0.5)	282.3 (0.5)	305.8 (0.5)
Cadmium	5	0.13 J (0.2)	0.09 J (0.2)	U (0.2)	0.06 J (0.2)	0.06 J (0.2)	0.09 J (0.2)
Calcium		214000 (100)	196000 (100)	207000 (100)	116000 (100)	116000 (100)	159000 (100)
Chromium (total)	50	3.81 (1)	1.87 (1)	1.88 (1)	0.39 J (1)	0.49 J (1)	0.96 J (1)
Cobalt		7.53 (0.5)	5.46 (0.5)	5.91 (0.5)	2.72 (0.5)	2.74 (0.5)	4.92 (0.5)
Copper	200	24.78 (1)	16.81 (1)	16.77 (1)	0.72 J (1)	0.84 J (1)	1.86 (1)
Cyanide (total)	200	U (5)	2 J (5)	U (5)	7 (5)	5 (5)	U (5)
Iron		22300 (60)	16000 (60)	17000 (60)	1880 (50)	1840 (50)	19900 (50)
Lead	25	**470.8 (1)**	23.29 (1)	**26.75 (1)**	0.87 J (1)	0.84 J (1)	3.54 (1)
Magnesium	35000	**47800 (70)**	**41700 (70)**	**44300 (70)**	14300 (70)	14500 (70)	19600 (70)
Manganese		2765 (1)	2324 (1)	2491 (1)	1072 (1)	1084 (1)	981.2 (1)
Nickel	100	6.98 (2)	5.2 (2)	5.69 (2)	6.25 (2)	6.26 (2)	5.72 (2)
Potassium		37400 (100)	31300 (100)	32500 (100)	15200 (100)	15200 (100)	20000 (100)
Selenium	10	U (5)	U (5)	U (5)	3.1 J (5)	2.93 J (5)	7.36 (5)
Silver	50	U (0.4)	0.21 J (0.4)	U (0.4)	U (0.4)	U (0.4)	U (0.4)
Sodium	20000	**269000 (125)**	**218000 (100)**	**229000 (100)**	**57600 (100)**	**58200 (100)**	**316000 (100)**
Thallium	0.5	U (0.5)	U (0.5)	U (0.5)	0.21 J (0.5)	U (0.5)	U (0.5)
Vanadium		4.6 J (5)	1.91 J (5)	2.07 J (5)	U (5)	U (5)	1.76 J (5)
Zinc	2000	89.51 (10)	52.86 (10)	56.84 (10)	21.82 (10)	21.2 (10)	13.9 (10)
INORG (dissolved)							
Aluminum		987 (10)	U (10)	U (10)	U (10)	6.1 J (10)	6.97 J (10)
Antimony	3	1.29 J (4)	1.94 J (4)	1.44 J (4)	1.52 J (4)	1.1 J (4)	0.79 J (4)
Arsenic	25	8.03 (0.5)	3.04 (0.5)	2.83 (0.5)	1.72 (0.5)	2.01 (0.5)	0.29 J (0.5)
Barium	1000	482.6 (0.5)	266.3 (0.5)	260.5 (0.5)	240.7 (0.5)	251.6 (0.5)	288.6 (0.5)
Cadmium	5	0.12 J (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)	U (0.2)
Calcium		225000 (100)	204000 (100)	199000 (100)	111000 (100)	113000 (100)	147000 (100)
Chromium (total)	50	3.83 (1)	0.29 J (1)	0.4 J (1)	U (1)	U (1)	0.21 J (1)
Cobalt		7.79 (0.5)	4.67 (0.5)	4.54 (0.5)	2.85 (0.5)	3.07 (0.5)	4.36 (0.5)
Copper	200	23.82 (1)	U (1)	U (1)	U (1)	U (1)	U (1)

TABLE 5. Groundwater Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NY Fresh Groundwater (GA) Standards	TW01	TW03	TW03	TW10	TW10	TW11
Field Sample ID		TW1-20190110	TW3-20190109	TW3DUP-20190109	TW10-20190108	TW10-DUP-20190108	TW11-20190107
Lab Sample ID		L1901467-07	L1901252-04	L1901252-05	L1900984-06	L1900984-07	L1900836-01
Sample Date		1/10/2019	1/9/2019	1/9/2019	1/8/2019	1/8/2019	1/7/2019
Comments				Field Duplicate		Field Duplicate	
INORG (dissolved) *Continued*							
Iron		22700 (65)	4610 (60)	3200 (60)	261 (50)	235 (50)	9420 (50)
Lead	25	**454.6 (1)**	U (1)	U (1)	U (1)	U (1)	U (1)
Magnesium	35000	**50200 (70)**	**44200 (70)**	**42900 (70)**	14300 (70)	14800 (70)	18200 (70)
Manganese		2904 (1)	2382 (1)	2360 (1)	923.9 (1)	960.9 (1)	960.7 (1)
Nickel	100	7.22 (2)	4.18 (2)	4.22 (2)	6.81 (2)	6.19 (2)	4.79 (2)
Potassium		39200 (100)	33400 (100)	32800 (100)	14000 (100)	14300 (100)	19200 (100)
Selenium	10	U (5)	U (5)	U (5)	2.68 J (5)	2.58 J (5)	5.78 (5)
Sodium	20000	**278000 (100)**	**229000 (100)**	**227000 (100)**	**60300 (100)**	**62000 (100)**	**283000 (100)**
Vanadium		4.68 J (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Zinc	2000	94.29 (10)	11.41 (10)	10.87 (10)	22.5 (10)	23.44 (10)	11.22 (10)

Notes:
1 All concentrations are presented in ug/L (ppb).
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NY Fresh Groundwater (GA) Standards are **boldfaced**.
Abbreviations:
U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.

TABLE 6. Sub-Slab Soil Vapor Analytical Data Summary
ARE
47-50 30th Street
Long Island City, New York

Location	NYSDOH Matrix A, B, C SSV Conc	SV01	SV02	SV03	SV06	SV08	SV09	SV10
Field Sample ID		SV1-20190109	SV2-20190109	SV3-20190109	SV6-20190107	SV8-20190108	SV9-20190108	SV10-20190108
Lab Sample ID		L1901257-02	L1901257-01	L1901257-03	L1900898-01	L1901016-01	L1901016-02	L1901016-03
Sample Date		1/9/2019	1/9/2019	1/9/2019	1/7/2019	1/8/2019	1/8/2019	1/8/2019
Comments								
VOC								
Acetone		194 (79.6)	U (1980)	230 (23.8)	765 (5.94)	508 (7.91)	1100 (78.2)	496 (15.9)
Benzene		U (21.4)	U (534)	10.8 (6.39)	110 (1.6)	4.41 (2.13)	U (21)	U (4.28)
1,3-Butadiene		U (14.8)	U (369)	U (4.42)	1.99 (1.11)	U (1.48)	U (14.6)	3.65 (2.96)
2-Butanone		U (14.8)	U (1230)	34.2 (14.7)	40.4 (3.69)	29.8 (4.93)	U (48.4)	18.3 (9.88)
Carbon Disulfide		U (20.8)	U (520)	32.4 (6.23)	57.6 (1.56)	6.7 (2.08)	22.2 (20.5)	17.3 (4.17)
Chloroform		U (32.7)	U (816)	U (9.77)	6.35 (2.44)	U (3.26)	57.1 (32.1)	U (6.54)
Cyclohexane		U (23)	U (575)	23.5 (6.88)	17.8 (1.72)	3.29 (2.3)	U (22.6)	U (4.61)
Dichlorodifluoromethane		U (33.1)	U (826)	U (9.89)	2.78 (2.47)	U (3.3)	U (32.5)	U (6.63)
1,2-Dichloroethene (total)		U (26.5)	U (662)	11 (7.93)	U (1.98)	---	---	---
cis-1,2-Dichloroethene	6	U (26.5)	U (662)	**11 (7.93)**	U (1.98)	U (2.64)	U (26.1)	U (5.31)
1,4-Dioxane		U (24.1)	U (602)	U (7.21)	U (1.8)	U (2.4)	U (23.7)	5.77 (4.83)
Ethanol		U (315)	U (7860)	U (94.2)	49.6 (23.6)	70.3 (31.5)	U (309)	98.2 (63.1)
Ethyl Benzene		U (29.1)	U (725)	U (8.69)	4.78 (2.17)	7.95 (2.9)	U (28.6)	U (5.82)
4-Ethyltoluene		U (32.9)	U (821)	U (9.83)	12.8 (2.46)	33.1 (3.28)	U (32.3)	20.8 (6.59)
n-Heptane		602 (27.4)	U (684)	35.4 (8.2)	713 (2.05)	10.9 (2.73)	209 (27)	45.1 (5.49)
n-Hexane		634 (23.6)	U (589)	66.3 (7.05)	578 (1.76)	5.08 (2.35)	U (23.2)	78.2 (4.72)
2-Hexanone		U (27.4)	U (684)	U (8.2)	U (2.05)	6.27 (2.73)	U (27)	U (5.49)
Isopropanol		106 (41)	U (1030)	123 (12.3)	135 (3.07)	129 (4.1)	258 (40.3)	223 (8.23)
4-Methyl-2-pentanone		U (68.4)	U (1710)	22.3 (20.5)	U (5.12)	14.3 (6.84)	U (67.2)	17.2 (13.7)
Methylene Chloride	100	U (58)	U (1450)	U (17.4)	82 (4.34)	U (5.8)	U (57)	U (11.6)
Styrene		U (28.5)	U (711)	U (8.52)	U (2.13)	4.39 (2.84)	U (28)	U (5.71)
tert-Butyl alcohol		U (50.6)	U (1260)	25.9 (15.2)	6.64 (3.79)	14.5 (5.06)	U (49.7)	24.7 (10.2)
Tetrachloroethene	100	**13200 (45.4)**	**280000 (1130)**	**2060 (13.6)**	**1750 (6.78)**	7.39 (4.52)	U (44.6)	**180 (9.09)**
Tetrahydrofuran		U (49.3)	U (1230)	27 (14.7)	13.2 (3.69)	12.9 (4.93)	U (48.4)	U (9.88)
Toluene		U (25.2)	U (629)	15.9 (7.54)	17.7 (1.88)	11.7 (2.51)	27 (24.8)	9.35 (5.05)
Trichloroethene	6	**100 (36)**	U (897)	U (10.7)	**8.28 (2.69)**	U (3.58)	**65 (35.4)**	U (7.2)
1,2,4-Trimethylbenzene		36 (32.9)	U (821)	24.7 (9.83)	35.9 (2.46)	96.8 (3.28)	62.9 (32.3)	75.2 (6.59)
1,3,5-Trimethylbenzene		U (32.9)	U (821)	U (9.83)	13.2 (2.46)	36.7 (3.28)	U (32.3)	21.1 (6.59)
m,p-xylene		U (58.2)	U (1450)	U (17.4)	14.5 (4.34)	25.2 (5.78)	U (57.3)	15.9 (11.6)
ortho-xylene		U (29.1)	U (725)	U (8.69)	8.08 (2.17)	17.9 (2.9)	U (28.6)	9.69 (5.82)
Xylenes (total)		U (29.1)	U (725)	U (8.69)	22.5 (2.17)			

Notes:

1 All concentrations are presented in ug/m3.

2 Only compounds with at least one detection are shown.

3 Concentrations that exceed the NYSDOH Matrix A, B, C SSV Conc are **boldfaced**.

Abbreviations:

U -- Not Detected.

J -- Estimated Concentration.

( ) -- Detection Limit.

--- Not Analyzed

TABLE 7
Summary of Indoor Air Sampling Results
ARE 47-50 30th St; Long Island City, NY

Location		AA01	IA01
Field Sample ID	NYSDOH	AA01-20190112	IA1-20190112
Lab Sample ID	Matrix	L1901642-01	L1901642-06
Matrix	A, B, C Air	Ambient Air	Indoor Air
Sample Date	Conc	01/13/2019	01/13/2019
Comments			
VOC			
Acetone		7.08 (2.38)	118 (2.38)
Benzene		U (0.639)	0.7 (0.639)
2-Butanone		U (1.47)	2.38 (1.47)
Carbon Disulfide		3.43 (0.623)	U (0.623)
Carbon Tetrachloride	0.2	**0.51 (0.126)**	**0.478 (0.126)**
Chloromethane		1.22 (0.413)	1.06 (0.413)
Cyclohexane		U (0.688)	1.18 (0.688)
Dichlorodifluoromethane		3.35 (0.989)	2.57 (0.989)
Ethanol		U (9.42)	69.9 (9.42)
Acetic acid, ethyl ester		U (1.8)	U (1.8)
Ethyl Benzene		U (0.869)	1.54 (0.869)
4-Ethyltoluene		U (0.983)	76.7 (0.983)
n-Heptane		U (0.82)	6.72 (0.82)
n-Hexane		U (0.705)	2.8 (0.705)
Isopropanol		1.66 (1.23)	126 (1.23)
Methylene Chloride	3	U (1.74)	**5.66 (1.74)**
Styrene		U (0.852)	1.79 (0.852)
tert-Butyl alcohol		U (1.52)	U (1.52)
Tetrachloroethene	3	2.15 (0.136)	**390 (0.271)**
Toluene		0.803 (0.754)	3.96 (0.754)
Trichloroethene	0.2	U (0.107)	**1.2 (0.107)**
Trichlorofluoromethane		1.88 (1.12)	1.5 (1.12)
1,2,4-Trimethylbenzene		1.12 (0.983)	328 (0.983)
1,3,5-Trimethylbenzene		U (0.983)	100 (0.983)
m,p-xylene		U (1.74)	7.99 (1.74)
ortho-xylene		U (0.869)	13.6 (0.869)
Xylenes (total)		U (0.869)	21.6 (0.869)

Notes:

1 All concentrations are presented in ug/m3.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDOH Matrix A, B, C Air Conc are **boldfaced**.

Abbreviations:

U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.

TABLE 7
Summary of Indoor Air Sampling Results
ARE 47-50 30th St; Long Island City, NY

	Location	IA02	IA04	IA06
	Field Sample ID	IA2-20190112	IA4-20190112	IA6-20190112
	Lab Sample ID	L1901642-03	L1901642-02	L1901642-04
	Matrix	Indoor Air	Indoor Air	Indoor Air
	Sample Date	01/13/2019	01/13/2019	01/13/2019
	Comments			
VOC				
	Acetone	88.4 (2.38)	118 (2.38)	259 (2.38)
	Benzene	U (0.639)	0.684 (0.639)	0.674 (0.639)
	2-Butanone	1.77 (1.47)	1.54 (1.47)	2.11 (1.47)
	Carbon Disulfide	U (0.623)	U (0.623)	U (0.623)
	Carbon Tetrachloride	**0.491 (0.126)**	**0.497 (0.126)**	**0.478 (0.126)**
	Chloromethane	1.07 (0.413)	1.05 (0.413)	1.17 (0.413)
	Cyclohexane	1 (0.688)	1.47 (0.688)	2.52 (0.688)
	Dichlorodifluoromethane	2.53 (0.989)	2.76 (0.989)	2.81 (0.989)
	Ethanol	60.5 (9.42)	108 (9.42)	200 (9.42)
	Acetic acid, ethyl ester	U (1.8)	U (1.8)	1.97 (1.8)
	Ethyl Benzene	1.35 (0.869)	1.82 (0.869)	3.81 (0.869)
	4-Ethyltoluene	72.8 (0.983)	109 (0.983)	188 (0.983)
	n-Heptane	5.9 (0.82)	14.5 (0.82)	39.5 (0.82)
	n-Hexane	2.62 (0.705)	3.59 (0.705)	5.04 (0.705)
	Isopropanol	102 (1.23)	112 (1.23)	199 (1.23)
	Methylene Chloride	**3.58 (1.74)**	2.55 (1.74)	2.13 (1.74)
	Styrene	1.55 (0.852)	1.96 (0.852)	2.33 (0.852)
	tert-Butyl alcohol	U (1.52)	U (1.52)	2.49 (1.52)
	Tetrachloroethene	**356 (0.271)**	**191 (0.136)**	**28.5 (0.136)**
	Toluene	3.1 (0.754)	4.9 (0.754)	10.4 (0.754)
	Trichloroethene	**1.13 (0.107)**	**0.629 (0.107)**	0.134 (0.107)
	Trichlorofluoromethane	1.53 (1.12)	1.49 (1.12)	1.68 (1.12)
	1,2,4-Trimethylbenzene	261 (0.983)	371 (0.983)	806 (2.46)
	1,3,5-Trimethylbenzene	78.2 (0.983)	115 (0.983)	232 (0.983)
	m,p-xylene	6.91 (1.74)	10.3 (1.74)	22.5 (1.74)
	ortho-xylene	10.9 (0.869)	16.7 (0.869)	35.5 (0.869)
	Xylenes (total)	17.8 (0.869)	27 (0.869)	57.8 (0.869)

Notes:

1 All concentrations are presented in ug/m3.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDOH Matrix A, B, C Air Conc are **boldfaced**.

Abbreviations:

U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.

TABLE 7
Summary of Indoor Air Sampling Results
ARE 47-50 30th St; Long Island City, NY

	Location	IA10
	Field Sample ID	IA10-20190112
	Lab Sample ID	L1901642-05
	Matrix	Indoor Air
	Sample Date	01/13/2019
	Comments	
VOC		
	Acetone	257 (2.38)
	Benzene	0.668 (0.639)
	2-Butanone	2.24 (1.47)
	Carbon Disulfide	U (0.623)
	Carbon Tetrachloride	**0.453 (0.126)**
	Chloromethane	0.991 (0.413)
	Cyclohexane	3.27 (0.688)
	Dichlorodifluoromethane	2.48 (0.989)
	Ethanol	91.6 (9.42)
	Acetic acid, ethyl ester	1.84 (1.8)
	Ethyl Benzene	5 (0.869)
	4-Ethyltoluene	242 (0.983)
	n-Heptane	57 (0.82)
	n-Hexane	3.51 (0.705)
	Isopropanol	175 (1.23)
	Methylene Chloride	2.31 (1.74)
	Styrene	1.63 (0.852)
	tert-Butyl alcohol	1.87 (1.52)
	Tetrachloroethene	**25.4 (0.136)**
	Toluene	13 (0.754)
	Trichloroethene	0.129 (0.107)
	Trichlorofluoromethane	1.48 (1.12)
	1,2,4-Trimethylbenzene	934 (2.46)
	1,3,5-Trimethylbenzene	282 (0.983)
	m,p-xylene	28.8 (1.74)
	ortho-xylene	44.7 (0.869)
	Xylenes (total)	73.4 (0.869)

Notes:

1 All concentrations are presented in ug/m3.
2 Only compounds with at least one detection are shown.
3 Concentrations that exceed the NYSDOH Matrix A, B, C Air Conc are **boldfaced**.

Abbreviations:

U -- Not Detected.
J -- Estimated Concentration.
( ) -- Detection Limit.

APPENDIX A
PREVIOUS ENVIRONMENTAL REPORTS

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October 19, 2018

Mr. Ira Wechler
Prestone Printing Co. Inc.
47-50 30th Street
Long Island City, NY 11101

Re: Subsurface Investigation Report
47-50 30th Street, Long Island City, New York

Dear Mr. Wechler,

This letter report has been prepared by Impact Environmental Consulting, Inc. ("IEC") to present the findings of the subsurface investigation conducted between September 20, 2018 and September 21, 2018 at the above-referenced Site. This investigation work plan was designed to determine a potential source of soil, groundwater and soil vapor contamination, and evaluate current site-specific sub-slab soil vapor and indoor air exposure risks. This report objective is to provide a comprehensive evaluation of the investigative findings, inclusive of historic environmental reports, in order to develop, design and support the basis of remedial or mitigative measures that may be required.

Site Description and Background

The Site is currently developed with a one-story commercial building (offices and warehouse). The building had previously been occupied by the Milton Paper Company, and prior to that was occupied a chemical warehouse and company (Philip A. Hunt Chemical Corporation). The current occupant is Prestone Printing Co., Inc. (Prestone), which provides traditional printing products, die cutting and binding services. A Phase I Environmental Site Assessment (ESA) was completed by Whitestone Associates Inc. (Whitestone) in August 2005, (**Attachment A**) which identified Recognized Environmental Concerns (RECs). RECs included 1) historical industrial/manufacturing uses; 2) a former 3,000-gallon fuel oil UST; 3) floor drains with unidentifiable discharge points; and 4) the presence of a commercial drycleaner situated on the contiguous property to the north. Based upon the results of the Phase I ESA, a Limited Phase II ESA was completed by Whitestone in September 2005 (**Attachment B**). Results of Whitestone's 2005 Phase II ESA investigation detected semi-volatile organic compounds (SVOCs) in soil at concentrations above New York State Department of Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) 4046 Soil Cleanup Objectives. Said detected SVOC analytes are indicative of fill material

found throughout New York City and did not represent a condition that typically warrants further action assuming subsurface soils and groundwater are not disturbed by site redevelopment. Groundwater samples collected as part of the abovementioned Phase II ESA investigation detected volatile organic compounds (VOCs) and SVOCs in groundwater at concentrations exceeding NYSDEC class GA groundwater quality standards.

Preferred Environmental Services (PES) conducted a Limited Soil and Soil Vapor Intrusion (SVI) investigation in April of 2018 (**Attachment C**). Preferred Environmental Services concluded that soil vapor intrusion of chlorinated VOCs, specifically tetrachloroethene (PCE) and related degradation constituents appeared to be present within the Site building. Additional VOC analytes, other than dry-cleaning related VOCs were identified in indoor air; however, these non-chlorinated VOCs were likely associated with the use of current operational and cleaning chemicals.

SITE INVESTIGATION TASKS

Soil Sample Collection

Between September 20 and September 21, 2018, IEC advanced two (2) onsite soil borings (designated as soil boring B-1 and B-2) using direct push/percussion (GeoProbe 420M mobile drill rig) drilling machinery and appurtenances for soil sample collection. Each of the soil borings were advanced to a terminal depth of 15 feet below grade surface (bgs).

The probe-driven sampler consisted of a hollow probe that allowed soil to enter as it was advanced. Discrete soil samples were secured at the desired depths and were contained within a non-reactive transparent plastic sleeve that lined the hollow probe. The plastic sleeves were removed for subsequent inspection and sample aliquot acquisition. The locations of the abovementioned onsite soil borings were selected to obtain representative soil samples from the northern extent of the property, relative to the adjacent dry-cleaning operations:

- Soil Boring B-1: Said soil boring was installed within the northern portion of the Site building, approximately fifteen (15) feet south of the northern interior building wall, and approximately thirty (30) feet east of the western interior building wall.
- Soil Boring B-2: Said soil boring was installed within the northern portion of the Site building, approximately fifteen (15) feet south of the northern interior building wall, and approximately thirty (30) feet east of the eastern interior building wall.

A visual inspection of the soil samples recovered during the installation of the soil borings was conducted to identify the presence of gross chemical contamination and to classify the sample media. Color classifications were made in accordance with the Munsell Classification System. Gradation classifications were made in accordance with the Unified Soil Classification System.

Headspace field screening analyses was performed on each of the acquired soil samples utilizing a portable photo ionization detection (PID) meter to measure if hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analysis was conducted on each soil sample by partially filling a clean zip-lock bag and sealing it, thereby creating a void. To facilitate the detection of possible hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was then injected through the bag into the headspace to measure the hydrocarbon concentrations present. For this investigation, the PID was calibrated to isobutylene span gas to yield total VOCs in parts per million by volume (ppmV). Results of the analysis were used to adjust the sample and analysis program to yield the most accurate and representative results.

Two (2) soil samples were collected for laboratory analysis; one (1) soil sample from each boring. The soil sample collected from soil boring B-1 was collected approximately between 6.5 and 7 feet bgs, and the soil sample collected from soil boring B-2 was collected approximately between 8 and 8.5 feet bgs. Said soil samples were transferred to laboratory-prepared glassware, placed within an iced cooler, and delivered by courier under industry standard chain of custody procedures to an ELAP-accredited environmental laboratory (Alpha Analytical Laboratories, Inc, located in Westboro, Massachusetts).

The locations of said soil borings are presented in **Plate 1**, and the associative boring-specific substratum is described within the Monitoring Well/Soil Boring Logs, presented in **Attachment D**.

Groundwater Investigation

Three (3) temporary groundwater well points (well points identified as TW-1, TW-2, and TW-3) were installed by IEC using direct push/percussion (GeoProbe 420M mobile drill rig) drilling machinery and appurtenances, developed utilizing NYSDEC standard procedures and protocols, and sampled on September 20, 2018. The locations of said onsite temporary groundwater well points are as follows:

- Temporary Well Point TW-1 was installed within the footprint of soil boring B-1, located within the northern portion of the Site building, approximately fifteen (15) feet south of the northern interior building wall, and approximately thirty (30) feet east of the western interior building wall.
- Temporary Well Point TW-2 was installed within the footprint of soil boring B-2, located within the northern portion of the Site building, approximately fifteen (15) feet south of the northern interior building wall, and approximately thirty (30) feet east of the eastern interior building wall.
- Temporary Well Point TW-3 was installed within the southern section of the Site building, approximately thirty (30) feet north of the southern interior building wall and approximately one hundred (100) feet south of the northern interior building wall.

A representative groundwater sample was collected from each of the three temporary well points, once development of said temporary well points were completed. A decontaminated GeoProbe stainless steel sampling screen was installed to a terminal depth of 13 feet bgs. The onsite water table was encountered between 9.75 and 10.83 feet bgs, as confirmed utilizing a Solinst water level meter. A hand-oscillatory sample collection method was utilized to introduce groundwater directly from the tubing into the appropriate laboratory-supplied sample container. Representative groundwater samples were transferred to laboratory-prepared and preserved glassware, placed within an iced cooler, and delivered by courier under industry standard chain of custody procedures to Alpha Analytical Laboratories, Inc. The locations of the abovementioned temporary well points are presented in **Plate 1** and the associative Monitoring Well/Soil Boring Logs are presented within **Attachment D**.

Soil Vapor Sampling

A soil vapor investigation was conducted by IEC on September 21, 2018 consisting of the collection of sub-slab vapor samples and relative indoor air samples, within the onsite building slab (slab on grade construction). The three (3) sub-slab sample locations are identified as SV-1, SV-2 and SV-3. Additionally, the three (3) indoor air quality samples, each associative to a single sub-slab vapor sampling location are identified as IA-1, IA-2 and IA-3. The locations of the sub-slab vapor sampling locations with associative indoor air sampling locations are as follows:

- Sub-Slab Vapor Sample SV-1/Indoor Air Sample IA-1: Temporary sub-slab vapor point SV-1 was installed within the northern portion of the Site building, approximately fifty (50) feet south of the northern interior building wall, and forty (40) feet east of the western interior wall. The associative indoor air sample, IA-1 was located within five (5) feet of temporary sub-slab vapor point SV-1.

- Sub-Slab Vapor Sample SV-2/Indoor Air Sample IA-2: Temporary sub-slab vapor point SV-1 was installed approximately thirty (30) feet south of sub-slab vapor point SV-1, within the center of the Site building. The associative indoor air sample, IA-2 was located within five (5) feet of temporary sub-slab vapor point SV-2.
- Sub-Slab Vapor Sample SV-3/Indoor Air Sample IA-3: Temporary sub-slab vapor point SV-1 was installed within the southern portion of the Site building, approximately fifty (50) feet north of the southern interior building wall, and twenty (20) feet east of the eastern interior building wall. The associate indoor air sample, IA-3 was located within five (5) feet of temporary sub-slab vapor point SV-3.

Installation of Semi-Permanent, Sub-Slab Vapor Sampling Points

One to two-inch diameter access holes were installed within the onsite building concrete slab, utilizing a rotary-hammer drill. Said sampling port borings were advanced through the building's concrete slab, approximately six (6) inches in thickness. Upon completion of the concrete boring work, a temporary soil vapor probe, each consisting of a four-inch long, stainless-steel rod with one-quarter-inch diameter Teflon-coated tubing, which was placed approximately two-inches below the concrete floor slab at each sub-slab vapor sampling location/boring. Decontaminated filter pack sand was utilized to fill the annular space to two-inches above the top of the steel rod. The remaining annular space atop the sand pack was filled with bentonite grout to prevent ambient air infiltration. It should be noted that during the time of sub-slab vapor/indoor air sample collection, flooring conditions were observed for cracks, penetrations and possible preferential pathways. Penetrations were observed within the foundation in the northernmost warehouse space along the northern and western interior building walls.

Sub-Slab Vapor / Indoor Air Sampling Procedures

After installation, the semi-permanent sub-slab vapor probes were allowed to equilibrate for a minimum of 24 hours after installation and prior to sample collection. Prior to initiating sample collection, a tracer gas test was performed at each sub-slab vapor point, to verify the integrity of each probe seal. The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop the ground at the point where the tubing exits the subsurface. The Teflon-coated tubing was run through an air-tight fitting installed on the top of the container, and tubing was run from the helium supply through another air-tight fitting on the side of the container. Helium (tracer gas) was introduced as a quality assurance/quality control measure to verify the integrity of the soil vapor probe seal. Once the atmosphere of the inverted container was enriched, a portable monitoring device was used to measure real-time from the sample probe for the presence of high concentrations (> 10%) of the tracer. The integrity of all three temporary sub-slab surface probes were confirmed and found intact. Prior to

initiating sample collection, each temporary sub-slab point was purged of a minimum of three tube volumes of soil vapor, with the resultant purge effluent concurrently evaluated for the presence of VOCs utilizing a photoionization detector (PID).

Upon completion of the tracer gas testing, a laboratory-supplied, 2.75-liter vacuum Summa canister was connected each temporary sub-slab vapor point. Sample collection was performed over an approximate 8-hour period governed by a laboratory-programmed flow regulator; said laboratory pre-programmed flow rate was set at 0.003 liters per minute (LPM), which is less than the maximum flow rate of 0.2 LPM as established in the October 2006 New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York document. The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop the ground at the point where the tubing exits the subsurface. The Teflon-coated tubing was run through an air-tight fitting installed on the top of the container, and tubing was run from the helium supply through another air-tight fitting on the side of the container. Helium (tracer gas) was introduced as a quality assurance/quality control measure to verify the integrity of the soil vapor probe seal. Once the atmosphere of the inverted container was enriched, a portable monitoring device was used to measure real-time from the sample probe for the presence of high concentrations (> 10%) of the tracer. The integrity of all four sub-slab surface probes were confirmed and found intact.

Three (3) indoor air samples were collected concurrently with the sub-slab vapor samples, with each indoor air sampled cited proximal to its respective sub-slab vapor sampling location. Said indoor air samples were collected to establish indoor air concentrations and background conditions at the Site. Indoor Air sample acquisition was performed utilizing 2.75-liter laboratory-supplied Summa canisters, each canister equipped with a laboratory-prepared flow regulator; said laboratory pre-programmed flow rate was set at 0.003 liters per minute (LPM)Each canister was set atop an approximate three-foot tall stand, table top or other infrastructure, with sample collection initiated over an approximate 8-hour period, concurrent with the sub-slab vapor sampling. The indoor air sample collection elevations were selected to represent air quality within typical breathing zone(s) (between three and five feet above slab grade, as specified within the abovementioned NYSDOH guidance document).

Upon completion of the sampling event, the sub-slab sampling implants were removed, and the holes and surfaces were repaired with concrete. The sub-slab vapor samples and associative indoor samples placed within a protective tote, and delivered by courier under industry standard chain of custody procedures to Alpha Analytical Laboratories, Inc. The temporary sub-slab vapor sampling point locations and associative indoor air sampling

locations are presented within the attached Soil Vapor Concentration Map (**Plate 1**) and the pre-sample purge screening results are summarized within the Vapor Intrusion Sample Logs presented in **Attachment D**.

SITE INVESTIGATION RESULTS

Observed Geological and Hydrogeological Site Conditions

Site Stratigraphy

Soil encountered beneath the Site during this investigation were characterized to depths of approximately 15 fbg. In general, said soil consisted of historic fill material to approximately 8 feet bgs, overlying brown to dark brown, fine to coarse sand with some gravel and trace silt to 15 fbg. No evidence of staining and/or elevated PID readings were observed in the material retrieved from borings B-1 or B-2. Boring specific stratum is described within the Monitoring Well/Soil Boring Logs, presented in **Attachment D**.

Site Hydrogeology

Water table elevations measured within the temporary onsite monitoring well points, were encountered at depths between 9.75 and 10.83 feet bgs. Free-phase contaminants (DNAPL/LNAPL) were not detected within the purged development groundwater evacuated from the onsite temporary monitoring well points. The measured and recorded depth to groundwater measurements are presented in **Attachment D**. A groundwater elevation survey was not performed as part of this investigation for the determination of groundwater flow beneath the Site; however, based upon the topographic map (USGS – Brooklyn Quadrangle) and the "USGS Groundwater Conditions on Long Island" map, regional groundwater flow direction is presumed to be west, towards Beaver Kill Creek.

Soil Sample Field Screening Results

Headspace analyses of soil samples collected from soil borings B-1 and B-2 ranged between below the instrument (PID) detection limit (BDL) to a maximum measurement of 1.9 ppmV; said maximum measurement was from a soil sample collected from soil boring B-1 between 3 and 6 feet bgs. Headspace analysis results are presented within the Soil Boring Logs provided in **Attachment D**.

Laboratory Analytical Results

Soil Sample Analytical Results

The laboratory-submitted soil samples were analyzed in accordance with United States Environmental Protection Agency (USEPA) Test Method 8260 for VOCs. The tabulated analytical summary tables are presented in **Table 1** and the associative laboratory analytical report is presented in **Attachment E.** Laboratory analyses performed on soil samples B-1 and B-2 did not detect VOCs in either sample, at concentrations above the laboratory's method detection limit (MDL).

Groundwater Sample Analytical Results

The laboratory-submitted groundwater samples were analyzed in accordance with United States Environmental Protection Agency (USEPA) Test Method 8260 for VOCs. The tabulated analytical summary tables are presented in **Table 2** and the associative laboratory analytical report is presented in **Attachment E.** The laboratory analyses performed on groundwater samples TW-1, TW-2 and TW-3 detected the following contaminants above NYSDEC TOGS 1.1.1 Class GA groundwater quality standards:

- TW-1: Tetrachloroethene (98 µg/l)
- TW-2: Tetrachloroethene (170 µg/l)

Additional VOCs were detected in groundwater samples TW-1 and TW-2, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater quality standards. VOCs were detected in groundwater sample TW-3, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater quality standards.

The groundwater analytical summary tables are included as **Table 2** and the laboratory analytical report is included in **Attachment E**.

Sub-Slab Vapor and Indoor Air Analytical Results

The laboratory-submitted sub-slab vapor and indoor air samples were analyzed in accordance with United States Environmental Protection Agency (USEPA) Test Method TO-15 for VOCs. The tabulated analytical summary tables are presented in **Table 1** and the associative laboratory analytical report is presented in **Attachment E.** Laboratory-detected volatile organics in indoor air samples collected during this investigation were compared to NYSDOH ambient air guidelines specified for ambient air, as cited within the abovementioned NYSDOH guidance document,

and within the September 2013 (Tetrachloroethene: 30 µg/m^3) and August 2015 (Trichloroethene: 2 µg/m^3) updates to said NYSDOH guidance document.

The following analytes were detected in indoor air samples at concentrations above NYSDOH ambient air concentrations:

Indoor Air Sample IA-1:

- Tetrachloroethene: 562 µg/m^3
- Trichloroethene: 3.8 µg/m^3

Indoor Air Sample IA-2:

- Tetrachloroethene: 446 µg/m^3
- Trichloroethene: 2.9 µg/m^3

The sub-slab vapor sample and associative indoor air sample analytical results were compared to the May 2017 revised decision matrices to the NYSDOH Final Guidance Document. Elevated concentrations of tetrachloroethene were identified in the following sub-slab vapor sample/associative indoor air sample comparative review:

NYSDOH Matrix Decision Matrix Description - Mitigation:

Said NYSDOH classification is based upon NYSDOH indoor air/sub-slab vapor decision matrices cited within the abovementioned document, to assist the NYSDEC with subsequent remedial actions/monitoring requirements by the potential responsible party/parties (PRP). As per the Department's decision matrix description, the Mitigation classification requires "the PRP to immediately minimize current or potential exposures associated with soil vapor intrusion". "Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated."

Soil Vapor Sample SV-1/Indoor Air Sample IA-1:

- Tetrachloroethene (SV-1: 42,300 µg/m^3 – IA-1: 562 µg/m^3)
- Trichloroethene (SV-1: 98.9 µg/m^3 – IA-1: 3.8 µg/m^3)

NYSDOH Matrix Decision Matrix Description – Identify Source(s) and Resample or Mitigate:

Said NYSDOH classification is based upon NYSDOH indoor air/sub-slab vapor decision matrices cited within the abovementioned document, to assist the NYSDEC with subsequent remedial actions/monitoring requirements by the potential responsible party/parties (PRP). As per the Department's decision matrix description, the Identify Source(s) and Resample or Mitigate classification recommends *"…that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges.*" and "*In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed."*.

Soil Vapor Sample SV-2/Indoor Air Sample IA-2:

- Tetrachloroethene (SV-2: 96.3 µg/m^3 – IA-2: 446 µg/m^3)
- Trichloroethene (SV-2: not detected – IA-2: 2.9 µg/m^3)

Soil Vapor Sample SV-3/Indoor Air Sample IA-3:

- Tetrachloroethene (SV-3: 39.4 µg/m^3 – IA-3: 20.6 µg/m^3)

A tabulated summary of the reported laboratory results compared to applicable guidance criteria is presented in **Table 3** and **Table 4** and the laboratory analytical report is included in **Attachment E**.

CONCLUSIONS AND RECOMMENDATIONS

Impact Environmental has performed a Subsurface Investigation at the Site in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. This investigation was conducted in response to evidence of RECs identified for the Site as well as previous subsurface investigations conducted at the Site. The associated investigation work consisted of the review and evaluation of historic environmental assessments and investigation conducted at the Site, and the sampling and analysis of subsurface soil, groundwater, sub-slab vapor and indoor air to further define the environmental quality of the Site:

- A review of the historic assessment and investigation documentation for the Site indicates that the subject Site currently manufactures printing products, provides die cutting and binding services, and was historically utilized for chemical-based operations and storage. Historic documents also indicate commercial dry-cleaning operations at the abutting property along the northern extent of the Site.

- Sub-slab soil collection, field screening and laboratory analyses were performed within the Site building. A total of three (3) borings were installed within the Site building to a terminal depth of approximately fifteen (15) feet below building slab grade and sampled as part of this investigation. The subsurface lithology encountered during this investigation appears to consist of historic fill material utilized within the region, which confirms the lithology encountered during historic subsurface investigations conducted at this Site. Field screening of the soil samples collected during this investigation indicated a maximum of 1.9 ppmV of volatile organics in soil vapor. Laboratory analyses performed on selected soil samples (as determined by field screening with a photoionization detector, concurrent with visual/olfactory inspection of the recovered material) did not detect volatile organics in said soil samples, at concentrations above the laboratory method detection limits.

- Groundwater samples were collected from temporary well points installed within the footprints of the abovementioned soil borings located proximal to the northern extent of the Site building, adjacent to the neighboring offsite commercial dry-cleaning facility. A third temporary well point was installed in a central location within the Site building. Groundwater samples were collected from each of the temporary well points and analyzed for volatile organics at an ELAP-accredited environmental laboratory. Elevated concentrations of tetrachloroethene, a commonly utilized dry-cleaning chlorinated solvent, were detected in groundwater samples collected adjacent to the northern extent of the Site, at concentrations above NYSDEC TOGS 1.1.1 Class GA groundwater quality standards.

- A sub-slab vapor/indoor sampling event was performed as part of this investigation. An inspection of the Site building interior was performed prior to said sub-slab vapor/indoor sampling event; chemicals identified during the inspection and utilized as part of the current Site operations did not indicate chlorinated volatile organics were components of chemicals utilized with current Site operations. Significant cracks were identified within the northern and western interior Site building walls.

  Three (3) temporary sub-slab vapor probes were installed within the Site building's concrete slab; one probe installed within the northern section of the building, one within the central section of the building and the third installed within the southern section of the Site building. Sub-slab vapor sampling was performed concurrent with indoor air sampling, with dedicated indoor air assemblies staged approximately five (5) feet within its associative sub-slab vapor sampling location.

Laboratory results of the indoor air samples, specifically the sample locations at the northern (Sample ID: IA-1) and central (Sample ID: IA-2) detected concentrations of chlorinated volatile organics, specifically tetrachloroethene and trichloroethene (a direct degradation product of tetrachloroethene and also a main component in dry-cleaning "spot cleaning" solutions), above NYSDOH ambient air guideline concentrations. A comparison of the sub-slab vapor sampling results with the associative indoor air samples against the May 2017 revised NYSDOH decision matrices cited within the October 2006, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York document indicate that tetrachloroethene and trichloroethene were detected in the sub-slab vapor sample and associative indoor air sample collected at/beneath the northern section of the Site building at concentrations that warrants mitigation, with additional investigative and potential mitigation to be performed within the central and southern sections of the Site building.

Based on the above investigation data and in our professional opinion, it appears that the neighboring dry-cleaning operations located immediately adjacent to the northern extent of the Site, appear to have impacted the environmental quality of the Site and a potentially defined human health exposure pathway within the Site building which requires further action. Our expanded recommendations are as follows:

- It is recommended to seal the Site building walls (observed cracks in northern and western interior walls) floor joints and floors to prevent against potential exposure risks from elevated chlorinated volatile organics detected beneath the building slab and reduce human exposure to said chlorinated volatile organics within indoor air.

- In addition, it is recommended to contact the Region 2 New York State Department of Environmental Conservation Spill Response office, to notify the Department of the investigation findings and proceed with Department-directed source identification, potential responsible party delegation and mitigation of impacts to the environmental quality of the Site. Please note that a Spill Case may be recorded, initially with the Subject Site, as a result of said notification.

Sincerely,
IMPACT ENVIRONMENTAL CLOSURES, INC



_____

Greg Mendez-Chicas
Sr. Project Manager, Environmental Professional



_____

Stephanie Pollert
Associate Project Manager, Environmental Scientist

Plate 1: Site Location Map

Attachment A: Phase I Environmental Site Assessment - Whitestone Associates Inc., August 2005

Attachment B: Limited Phase II ESA - Whitestone Associates Inc., September 2005

Attachment C: Limited Soil and Soil Vapor Intrusion (SVI) investigation - Preferred Environmental Services, April 2018

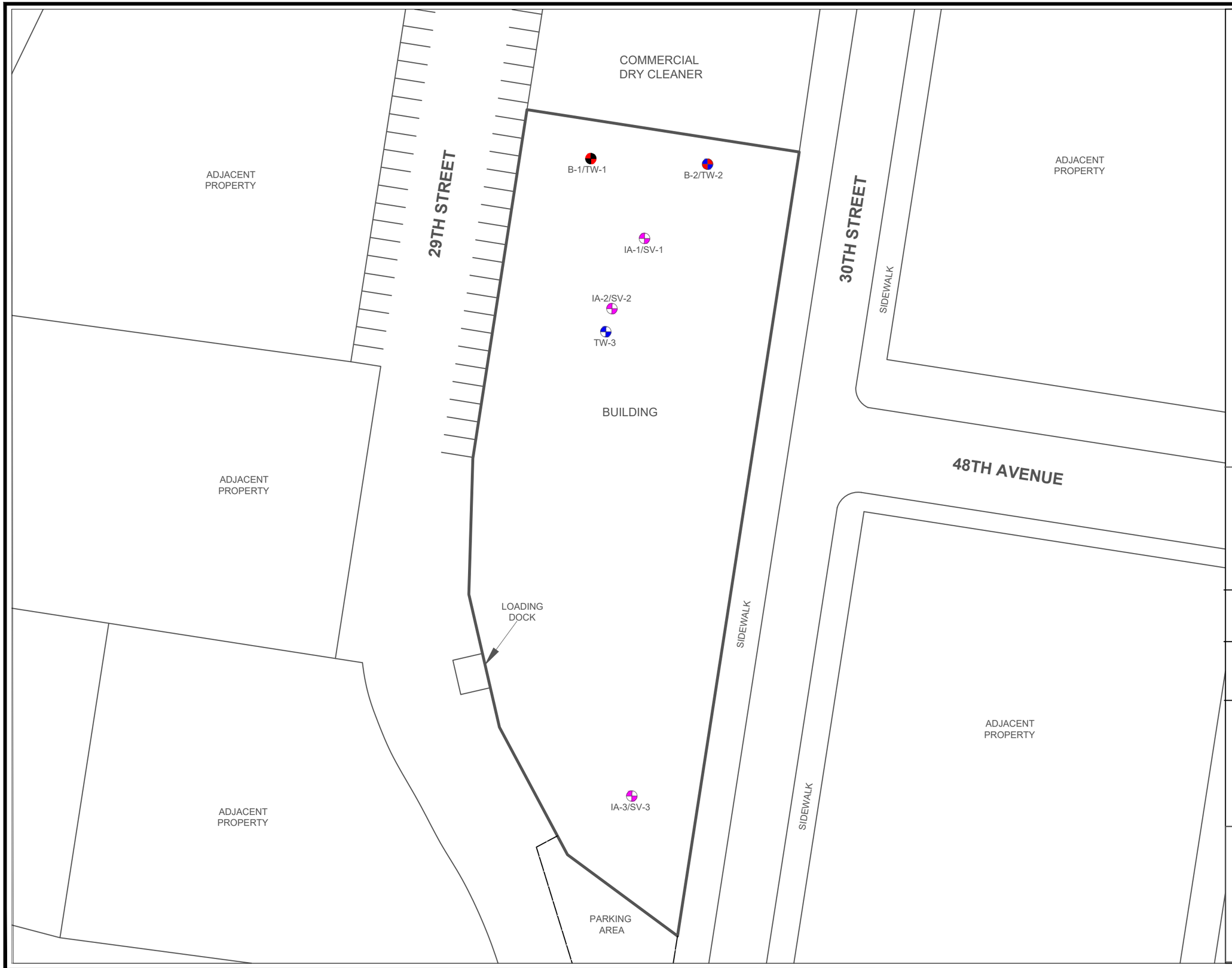
Attachment D: Field Notes

Attachment E: Laboratory Analytical Reports

Plate 1:

Sample Location Map

47-50 30th Street, Long Island City, NY



LEGEND

- SOIL BORING & GROUNDWATER LOCATION
- GROUNDWATER SAMPLE LOCATION
- SOIL VAPOR SAMPLE LOCATION
- VARIOUS FENCING

PROJECT NORTH

NOTES:

SAMPLE LOCATION MAP

47-50 30th Street
Queens, New York

Plate No: XX

PROJECT NO.	13123-01
DESIGNED BY:	LR
DRAWN BY:	LR
CHECKED BY:	SP
DATE:	10/11/2018
SCALE:	N.T.S

REVISIONS

IMPACT ENVIRONMENTAL CLOSURES, INC.

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

Table 1:

Soil Analytical Summary Table

Soil Analytical Data Summary Table

47-50 30th Street, Long Island City, NY

IEC Project No. 13123

Parameter	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Commercial	B-1	B-2
Sample ID					
Date				9/20/2018	9/20/2018
Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
1,1,1,2-Tetrachloroethane	VOC	~	~	ND	ND
1,1,1-Trichloroethane	VOC	680	500,000b	ND	ND
1,1,2,2-Tetrachloroethane	VOC	~	~	ND	ND
1,1,2-Trichloroethane	VOC	~	~	ND	ND
1,1-Dichloroethane	VOC	270	240000	ND	ND
1,1-Dichloroethene	VOC	330	500,000b	ND	ND
1,2,3-Trichloropropane	VOC	~	~	ND	ND
1,2,4-Trichlorobenzene	VOC	~	~	ND	ND
1,2,4-Trimethylbenzene	VOC	3,600	190000	ND	0.43
1,2-Dibromo-3-Chloropropane	VOC	~	~	ND	ND
1,2-Dibromoethane	VOC	~	~	ND	ND
1,2-Dichlorobenzene	VOC	1,100	500,000b	ND	ND
1,2-Dichloroethane	VOC	20c	30000	ND	ND
1,2-Dichloropropane	VOC	~	~	ND	ND
1,3,5-Trimethylbenzene	VOC	8,400	190000	ND	0.15
1,3-Dichlorobenzene	VOC	2,400	280000	ND	ND
1,3-Dichloropropane	VOC	~	~	ND	ND
1,4-Dichlorobenzene	VOC	1,800	130000	ND	ND
1,4-Dioxane	VOC	100b	130000	ND	ND
2-Butanone	VOC	120	500,000b	ND	ND
2-Chlorotoluene	VOC	~	~	ND	ND
4-Methyl-2-Pentanone	VOC	~	~	ND	ND
Acetone	VOC	50	500,000b	22	ND
Acrylonitrile	VOC	~	~	ND	ND
Benzene	VOC	60	44000	ND	ND
Bromochloromethane	VOC	~	~	ND	ND
Bromodichloromethane	VOC	~	~	ND	ND
Bromoform	VOC	~	~	ND	ND
Bromomethane	VOC	~	~	ND	ND
Carbon Disulfide	VOC	~	~	ND	ND
Carbon Tetrachloride	VOC	760	22000	ND	ND
Chlorobenzene	VOC	1,100	500,000b	ND	ND
Chlorodibromomethane	VOC	~	~	ND	ND

NOTES:

Shaded values indicate a regulatory crit

µg/kg = micrograms per kilogram (ppb)

mg/kg = milligrams per kilogram (ppm)

~ = this indicates that no regulatory lim for this analyte

Q is the Qualifier Column with definitions as follows:

J = indicates that the value is estimated. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).

ND = Not detected at the MDL for the sample.

E = result is estimated and cannot be accurately reported due to levels encountered or interferences

Soil Analytical Data Summary Table

47-50 30th Street, Long Island City, NY

IEC Project No. 13123

Parameter	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Commercial	B-1	B-2
Sample ID					
Date				9/20/2018	9/20/2018
Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
Chloroethane	VOC	~	~	ND	ND
Chloroform	VOC	370	350000	ND	ND
Chloromethane	VOC	~	~	ND	ND
cis-1,2-Dichloroethene	VOC	250	500,000b	ND	ND
Dibromomethane	VOC	~	~	ND	ND
Dichlorodifluoromethane	VOC	~	~	ND	ND
Ethylbenzene	VOC	1,000	390000	ND	ND
Isopropylbenzene	VOC	~	~	ND	ND
Methyl Tert-Butyl Ether	VOC	930	500,000b	ND	ND
Methylene Chloride	VOC	50	500,000b	ND	ND
Napthalene	SVOC	12,000	500,000b	ND	0.52
n-Butylbenzene	VOC	12,000	500000	ND	ND
n-Propylbenzene	VOC	3,900	500,000b	ND	ND
p-Isoproplytoluene	VOC	~	~	ND	ND
sec-Butylbenzene	VOC	11,000	500,000b	ND	ND
Styrene	VOC	~	~	ND	ND
tert-Butylbenzene	VOC	5,900	500000b	ND	ND
Tetrachloroethene	VOC	1,300	150000	0.95	10
Toluene	VOC	700	500,000b	ND	ND
Total Xylenes	VOC	260	500,000b	ND	ND
trans-1,2-Dichloroethene	VOC	190	500,000b	ND	ND
Trichloroethene	VOC	470	200000	ND	ND
Trichlorofluoromethane	VOC	~	~	ND	ND
Vinyl Acetate	VOC	~	~	ND	ND
Vinyl Chloride	VOC	20	13000	ND	ND

NOTES:

Shaded values indicate a regulatory crit

µg/kg = micrograms per kilogram (ppb)

mg/kg = milligrams per kilogram (ppm)

~ = this indicates that no regulatory lim for this analyte

Q is the Qualifier Column with definitions as follows:

J = indicates that the value is estimated. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).

ND = Not detected at the MDL for the sample.

E = result is estimated and cannot be accurately reported due to levels encountered or interferences

Table 2:

Groundwater Analytical Summary Table

Ground Water Analaytical Summary Table

47-50 30th Street, Long Island City, NY
IEC Project # 13123

Parameter	NY-AWQS	TW-1	TW-2	TW-3
Date		9/20/2018	9/20/2018	9/20/2018
Unit		*ug/l*	*ug/l*	*ug/l*
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,2-Dichloroethene, Total	~	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
1,4-Dioxane	~	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
2-Butanone	50	ND	ND	ND
2-Hexanone	50	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND
Acetone	50	7.1	10	49
Acrylonitrile	5	ND	ND	ND
Benzene	1	ND	0.16	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND
Bromoform	50	ND	ND	ND
Bromomethane	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND

Ground Water Analaytical Summary Table

47-50 30th Street, Long Island City, NY
IEC Project # 13123

Parameter	NY-AWQS	TW-1	TW-2	TW-3
Date		9/20/2018	9/20/2018	9/20/2018
Unit		*ug/l*	*ug/l*	*ug/l*
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	~	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
Dibromomethane	5	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND
Ethyl ether		ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND
Naphthalene	10	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
o-Chlorotoluene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
p/m-Xylene	5	ND	ND	ND
p-Chlorotoluene	5	ND	ND	ND
p-Diethylbenzene		ND	ND	ND
p-Ethyltoluene		ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Tetrachloroethene	5	98	170	0.39
Toluene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Trichloroethene	5	ND	0.91	ND
Trichlorofluoromethane	5	ND	ND	ND
Vinyl acetate	~	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
Xylenes, Total	~	ND	ND	ND

* Comparison is not performed on parameters with non-numeric criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Table 3:

Sub-slab Vapor and Indoor Air Analytical Summary Table

Vapor Analytical Summary Table

47-50 30th Street, Long Island City, NY

IEC Project #13123

Parameter	SV-1	SV-2	SV-3	IA-1	IA-2	IA-3	NYSDOH Indoor Air Guidelines Values
Date	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor	Indoor Air	Indoor Air	Indoor Air	
Unit	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	
1,1,1-Trichloroethane	ND	ND	1.16	ND	ND	ND	-
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ND	ND	ND	ND	-
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	-
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	-
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	-
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	-
1,2,4-Trimethylbenzene	ND	58	38.3	281	281	1260	-
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	-
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ND	ND	ND	ND	-
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	-
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	-
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	-
1,3,5-Trimethylbenzene	ND	15.7	11.4	102	96.8	299	-
1,3-Butadiene	ND	ND	ND	ND	ND	ND	-
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	-
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	-
1,4-Dioxane	ND	ND	14.2	ND	ND	ND	-
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	-
2-Butanone	ND	1.85	2.12	4.31	2.83	8.49	-
2-Hexanone	ND	ND	ND	ND	ND	ND	-
3-Chloropropene	ND	ND	ND	ND	ND	ND	-
4-Ethyltoluene	ND	14.9	11.1	94.4	89.5	228	-
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	2.82	-
Acetone	ND	40.1	153	118	165	1760	-
Benzene	ND	ND	ND	0.955	0.837	1.47	-
Benzyl chloride	ND	ND	ND	ND	ND	ND	-
Bromodichloromethane	ND	1.45	ND	ND	ND	ND	-
Bromoform	ND	ND	ND	ND	ND	ND	-
Bromomethane	ND	ND	ND	ND	ND	ND	-
Carbon disulfide	ND	ND	ND	ND	ND	0.8	-
Carbon tetrachloride	ND	ND	ND	0.51	0.39	0.396	-
Chlorobenzene	ND	ND	ND	ND	ND	ND	-
Chloroethane	ND	ND	ND	ND	ND	ND	-
Chloroform	ND	12.6	ND	ND	ND	ND	-
Chloromethane	ND	ND	ND	0.82	0.681	0.681	-
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	-
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	-
Cyclohexane	ND	1.02	0.757	2.26	3.22	37.2	-
Dibromochloromethane	ND	ND	ND	ND	ND	ND	-
Dichlorodifluoromethane	ND	2.05	2.02	2.17	1.93	1.93	-
Ethyl Acetate	ND	ND	ND	ND	6.41	ND	-
Ethyl Alcohol	ND	109	110	134	222	145	-
Ethylbenzene	ND	3.61	2.06	1.24	1.13	3.9	-
Heptane	ND	4.51	4.34	24.2	30.5	281	-
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	-
iso-Propyl Alcohol	152	50.6	121	153	241	2,530	-
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	-

Vapor Analytical Summary Table

47-50 30th Street, Long Island City, NY

IEC Project #13123

Parameter	**SV-1**	**SV-2**	**SV-3**	**IA-1**	**IA-2**	**IA-3**	**NYSDOH Indoor Air Guidelines Values**
Date	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor	Indoor Air	Indoor Air	Indoor Air	
Unit	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	*µg/m3*	
Methylene chloride	ND	ND	ND	ND	ND	7.89	60
n-Hexane	ND	1.22	0.937	11.7	7.79	8.11	-
o-Xylene	ND	4.86	4.08	13.7	12.8	56.5	-
p/m-Xylene	ND	10.6	7.17	6.17	5.65	22.1	-
Styrene	ND	ND	ND	1.35	1.61	3.73	-
tert-Butyl Alcohol	ND	9.12	9.16	2.21	4.55	19.8	-
Tetrachloroethene	42,300	96.3	39.4	562	446	20.6	30
Tetrahydrofuran	ND	2.43	2.32	ND	ND	ND	-
Toluene	ND	6.41	4.94	13.3	13.8	57.3	-
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	-
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	-
Trichloroethene	98.9	ND	ND	3.8	2.9	0.22	2
Trichlorofluoromethane	ND	1.33	1.38	ND	1.17	ND	-
Vinyl bromide	ND	ND	ND	ND	ND	ND	-
Vinyl chloride	ND	ND	ND	ND	ND	ND	-

µg/m3: mirogram per cublic meter

Vapor Analytical Summary Table

47-50 30th Street,
Long Island City, NY
IEC Project No. 13123

Sample ID	SV-1	IA-1	NYSDOH Matrices	SV-2	IA-2	NYSDOH Matrices	SV-3	IA-3	NYSDOH Matrices
Date	9/21/2018			9/21/2018			9/21/2018		
Sample Type	Sub Slab	Indoor Air		Sub Slab	Indoor Air		Sub Slab	Indoor Air	
Unit	$\mu g/m^3$			$\mu g/m3$			$\mu g/m3$		
Volatile Organics in Air									
1,1,1-Trichloroethane	ND	ND	NFA	ND	ND	NFA	1.16	ND	NFA
1,1-Dichloroethene	ND	ND	NFA	ND	ND	NFA	ND	ND	NFA
Carbon tetrachloride	ND	0.51	NFA	ND	0.39	NFA	ND	0.396	NFA
cis-1,2-Dichloroethene	ND	ND	NFA	ND	ND	NFA	ND	ND	NFA
Methylene chloride	ND	ND	NFA	ND	ND	NFA	ND	7.89	NFA
Tetrachloroethene	42,300	562	MITIGATE	96.3	446	Id Source & Resample or Mitigate	39.4	20.6	Id Source & Resample or Mitigate
Trichloroethene	98.9	3.8	MITIGATE	ND	2.9	Id Source & Resample or Mitigate	ND	0.22	NFA
Vinyl chloride	ND	ND	NFA	ND	ND	NFA	ND	ND	NFA

µg/m3: mirogram per cublic meter
NFA: No Further Actions warranted to address human exposures

Attachment A

Phase I Environmental Site Assessment
Whitestone Associates Inc., August 2005

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

786 MOUNTAIN BOULEVARD
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PRIVILEGED AND CONFIDENTIAL

SUMMARY REPORT OF FINDINGS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

EXISTING MILTON PAPER COMPANY
47-50 30TH STREET
BLOCK 115, LOT 187
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

Prepared for:

PRESTONE PRINTING
45 Main Street, Suite 305
Brooklyn, New York 11201

Prepared by:

WHITESTONE ASSOCIATES, INC.
786 Mountain Boulevard, Suite 200
Watchung, New Jersey 07069

Whitestone Project #WJ05-7931
August 16, 2005

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

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Privileged and Confidential

August 16, 2005

via Federal Express

PRESTONE PRINTING
45 Main Street, Suite 305
Brooklyn, New York 11201

Attention: Mr. Robert J. Adler

Regarding: **PHASE I ENVIRONMENTAL SITE ASSESSMENT**
EXISTING MILTON PAPER COMPANY
47-50 30TH STREET
BLOCK 115, LOT 187
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK
WHITESTONE PROJECT NO.: WJ05-7931

Dear Mr. Adler:

Whitestone Associates, Inc. (Whitestone) is pleased to submit for your review the attached *Summary Report of Findings - Phase I Environmental Site Assessment* for the above-referenced property. Additional pertinent information (if any) received from regulatory agencies pursuant to *Freedom of Information Law* (FOIL) requests will be provided in a supplement to this report.

Please contact us with any questions or comments regarding the enclosed report.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Christopher Seib
Environmental Services Manager

Erik Colonna Romano
Environmental Specialist

ECR/mjb L:\WhitestoneOffice\2005\057931\7931ESA.wpd
Enclosures
copy: Steven P. Polivy, Esq., Stadtmauer Bailkin, L.L.P
Richard Bowers, Esq., Stadtmauer Bailkin, L.L.P

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

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Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

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Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

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SECTION 1.0
Summary of Findings

Whitestone Associates, Inc. (Whitestone) was retained by Prestone Printing to perform a Phase I Environmental Site Assessment (ESA) of the existing Milton Paper Company at 47-50 30th Street in Long Island City, Queens County, New York (hereinafter referred to as the "site" or the "subject property"). Investigatory activities were completed by Whitestone between July 13, 2005 and August 8, 2005. The site reconnaissance was conducted on July 21, 2005.

This document serves as the Phase I ESA report for this property. Because of the required turn-around time for this project, comprehensive responses to all New York State Department of Environmental Conservation (NYSDEC) and local requests for information pursuant to the *Freedom of Information Law* (FOIL) could not be included in this summary report. Additional pertinent information (if any) received from regulatory agencies pursuant to FOIL requests will be provided upon receipt in a supplement to this report.

Whitestone performed the Phase I ESA of the subject property in conformance with the scope and limitations of the American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-00). Any exceptions to or deletions from this practice are described in Section 8.3 of this report. This assessment has revealed evidence of ***recognized environmental conditions*** (RECs) in connection with the subject property including the following:

- The subject property historically has been utilized as a chemical warehouse and as a shellac company. These operations likely included the on-site storage and/or use of hazardous or potentially hazardous materials. Discharges of such materials/wastes potentially may have resulted in contamination of soil and/or groundwater at the subject property.

- One 3,000 gallon former fuel oil UST remains abandoned in place under the eastern portion of the site building. No environmental sampling reportedly was conducted during UST closure activities and potentially releases from this former UST may have impacted subsurface conditions at the subject property.

- Two floor drains were observed in a storage room located in the western portion of the site building. A site sketch provided in Lender Consulting Service's (LCS) November 17, 2004 Phase I ESA for the subject property identifies this room as "reported explosion room". This room may formerly have been utilized for the mixing and testing of chemicals associated with former site building tenant, Philip A. Hunt Chemical Corporation. Accordingly, the discharge point of these floor drains should be determined.

These RECs are documented more completely in the pages that follow -- as are recommendations for further evaluation and/or remediation.

SECTION 2.0
Introduction

2.1 PURPOSE

The purpose of this ESA is to provide an appropriate inquiry to the previous and current ownership and uses of the property consistent with the American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-00).

2.2 SCOPE OF SERVICES

Whitestone's Scope of Services in connection with this ESA included the following components:

- a review of readily-available federal, state, and local records through electronic database searches and *Freedom of Information Law* (FOIL) document requests;
- a site reconnaissance and limited magnetics survey;
- Sanborn Fire Insurance Map, aerial photograph, historical topographic map, and City Directory Search evaluation and interpretation;
- interviews with knowledgeable representatives; and
- summary report generation.

2.3 SIGNIFICANT ASSUMPTIONS

Whitestone assumes all information provided by the client, public officials, knowledgeable representatives, or others noted in this report to be factual unless otherwise contradicted or documented.

2.4 LIMITATIONS, EXCEPTIONS, SPECIAL TERMS, AND CONDITIONS

The goal of an ESA is to identify recognized environmental conditions at the subject site. With this in mind, Whitestone seeks to investigate the presence or likely presence of hazardous substances or petroleum products on a property under conditions which indicate an existing release, a past release, or a material threat of a release to structures of the property or into the soils, groundwater, or surface water of the property. This assessment includes a discussion of hazardous substances and petroleum products which are present at the property and are in compliance with appropriate regulations governing their storage and use.

This Phase I ESA does not include an extensive evaluation of *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be subject to enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs, however, certain *Business Environmental Risks* (including RECs for which a No Further Action determination has been issued) and *de minimis* conditions as well as recommendations for further action, if appropriate, are summarized in Section 8.1.2 of this Phase I ESA report.

This ESA does not address the requirements of any federal, state, or local laws other than the appropriate provisions of the Comprehensive Environmental Response, Compensation and Liability Act's (CERCLA's or Superfund's) innocent landowner defense. This ESA is not considered to be an exhaustive environmental investigation of this property, but rather, should be used as a due diligence guide for the parties involved in this proposed property transfer.

2.5 RELIANCE

Prestone Printing, its successors, representatives, and/or assigns may rely upon the findings and conclusions of this document. This document was prepared for the sole use of Prestone Printing, its successors, representatives, and assigns, and should not be relied upon by any third party without Whitestone's written consent.

SECTION 3.0
Site Description

3.1 LOCATION AND DESCRIPTION

The subject property is located at 47-50 30th Street Long Island City, Queens County, New York , Latitude 40.7415 North, Longitude 73.9381 West. The property is identified further as Block 115, Lot 187, and reportedly comprises 1.24 acres. The site location is shown in Figures 1 and 2 and illustrated in Appendix 1, Site Photographs.

3.2 SITE VICINITY AND GENERAL CHARACTERISTICS

The subject property currently consists of an irregularly shaped, approximately 1.24 acre parcel encompassed by the Milton Paper Company. The site is bound by LaCholita to the north; Storage Warehouse, 48th Avenue, and Garvin Brown Construction Products beyond 30th Street to the east; New York Envelope Company beyond Hunter's Point Avenue to the south; and Hunt's Point Steel to the west.

3.3 CURRENT AND PAST USES OF THE PROPERTY

The subject property currently is occupied by the Milton Paper Company consisting of a paper distribution warehouse and associated offices which have operated on the subject site since 1985. The Milton Paper Company receives paper products in bulk and distributes them to retailers and consumers.

According to historical sources reviewed by Whitestone, the subject property was vacant and undeveloped from at least 1898 until at least 1915. By 1936, the northern portion of the subject property was occupied by the East River Mill and Lumber Company and operated as a lumber yard and the southern portion of the subject property was occupied by Acme Shellac Products. By 1947, the original portion the current site building was constructed with additions completed by 1950 and 1970. The current site building had been utilized as a refrigerator warehouse sometime between 1936 and 1950, a liquor warehouse for Standard Wine and Liquor Company from at least 1950 through 1970 and as an office/warehouse for Philip A. Hunt Chemical Corporation from at least 1977 until approximately 1983.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER SITE IMPROVEMENTS

3.4.1 Existing Structures/Improvements/Roads

The subject property currently is completely developed and consists of an approximately 54,000 square feet (footprint), one-story, brick structure occupied by the Milton Paper Company. The eastern portion of the site

building is utilized as office space and the northern, southern and western portions of the site building are utilized as warehouse space for the temporary storage of paper products. A warehouse room located in the western portion of the site building reportedly had been utilized as an "explosion room" (a room utilized for the testing and mixing of chemicals) by previous tenant Philip A. Hunt Chemical Corporation. Loading docks are situated along the southeastern portion of the site building.

3.4.2 Utilities

The subject site currently is serviced by electricity, natural gas, public water and municipal sanitary sewer lines. A natural gas meter and electrical equipment were observed in the eastern portion of the site building. The building formerly utilized heating oil stored in a 3,000 underground storage tank (UST) located in the eastern portion of the site building. The site building reportedly was converted to natural gas service in 1986 and in 1992 the fuel oil UST was closed in place.

3.5 CURRENT AND PAST USES OF ADJOINING PROPERTIES

The properties adjacent to the subject site include:

- LaCholita to the north;
- Storage Warehouse, 48th Avenue, and Garvin Brown Construction Products beyond 30th Street to the east;
- New York Envelope Company beyond Hunter's Point Avenue to the south; and
- Hunt's Point Steel to the west.

The subject property is located in an area of Long Island City, New York, which has historically consisted of a mix of warehousing and light industrial development. An increase in commercial development in the area of the subject property was observed between 1936 and 1947.

SECTION 4.0
User Provided Information

4.1 TITLE RECORDS

Based on a review of reasonably ascertainable recorded land title records, no environmental liens or activity and use limitations currently are recorded against the subject property (see Section 5.4.4).

4.2 PRIOR/PENDING ENVIRONMENTAL LIENS OR ACTIONS

In 1992, the subject property was issued a Notice of Violation (NOV) by the New York City Fire Department. The NOV stated that, due to conversion to natural gas service, fuel oil storage was no longer necessary on site and the site building's fuel oil UST must be removed or closed in place. The site is not listed as a Superfund lien site (see Appendix 2).

4.3 SPECIALIZED KNOWLEDGE

Prestone Printing has provided Whitestone with following documents concerning environmental conditions at the subject property:

- November 17, 2004 *Phase I Environmental Site Assessment* prepared by Lender Consulting Services, Inc. (LCS)

LCS's Phase I ESA of the subject property revealed that a 3,000 gallon fuel oil UST remains closed in place in the eastern portion of the site building and that former site operations conducted by Acme Shellac Products and Philip A. Hunt Chemical Corporation likely included the on-site storage and use of hazardous and potentially hazardous chemicals. A site sketch provided in this report identifies a warehouse room in the western portion of the site building as a "reported explosion room". The report also noted that the subject property is listed under former site tenant Philip A. Hunt Chemical Corp. on the RCRIS-SQG database as a small quantity generator of federally regulated hazardous wastes. LCS recommended a Phase II Site Investigation to assess subsurface impacts from historic site operations at the subject property and to characterize subsurface conditions in the vicinity of the former fuel oil UST abandoned in place at the subject property. LCS also recommended updating the subject property's RCRIS-SQG listing with the United States Environmental Protection Agency.

- December 13, 2004 *Report Addendum No. 1* prepared by LCS

This addendum to LCS's November 17, 2004 Phase I ESA states that LCS has received and reviewed a letter from the current site owner Stephen Verp. This letter reportedly maintained that the subject property

historically has been used as a warehouse and no manufacturing had taken place on site. LCS stated that this assessment was consistent with historical sources reviewed by LCS and concluded that no further investigations at the property were necessary. However, LCS also stated the possibility remained that impact soils could be encountered at the subject property.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ASSESSMENTS

No evidence has been made available to Whitestone that the purchase price of the subject property is significantly less than the purchase price of comparable properties.

4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

Owner: Milton Paper Company, Inc.
47 - 50 30th Street
Long Island City, New York 11101-3404

Property Manager: Milton Paper Company
Stephen A. Verp, President
47-50 30th Street
Long Island City, New York 11101-3404
Phone: (718) 784-5900
Fax: (718) 609-0017

Occupant: Milton Paper Company

4.6 REASON FOR PERFORMING PHASE I ESA

The purpose of this ESA is to provide an appropriate inquiry to the previous and current ownership and uses of the property consistent with ASTM E1527-00 with the understanding that the property is to be purchased by Whitestone's client.

SECTION 5.0
Records Review

In support of this Phase I ESA, Whitestone conducted a search of readily-available federal, state, and local public records to document, among other items, current and past site ownership and usage, and evidence (if any) of past or pending environmental corrective or enforcement actions at the property or nearby locations. To accomplish this, Whitestone performed a limited chain of title search, obtained a database records search, submitted *Freedom of Information Law* (FOIL) requests for pertinent data, and/or interviewed knowledgeable representatives.

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Whitestone utilized the services of Environmental Data Resources, Inc. (EDR) to conduct an electronic search of the federal and state databases listed below (see Appendix 2). This search revealed that the subject property was identified on the following databases: **FINDS and RCRA-SQG.**

1. **Federal NPL Site List.** The National Priorities List (NPL), also known as the Superfund List, is USEPA's listing of uncontrolled or abandoned CERCLA hazardous waste sites. The database search and radius profile revealed no NPL sites located within one mile of the property.

2. **Federal CERCLIS List.** The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of known or suspected uncontrolled or abandoned hazardous waste sites which USEPA has investigated or is investigating for the release or threatened release of hazardous substances pursuant to CERCLA. No CERCLIS sites are present within a 0.5 mile radius of the property.

3. **Federal CERCLIS NFRAP Site List.** The CERCLIS list is a compilation of known or suspected uncontrolled or abandoned hazardous waste sites which USEPA has investigated or is investigating for the release or threatened release of hazardous substances pursuant to CERCLA. The subject property is not a CERCLIS-No Further Remedial Action Planned (NFRAP) site. No CERCLIS NFRAP sites are located within a 0.25 mile radius of the subject property.

4. **Federal RCRA CORRACTS Facility List.** The Corrective Action Report (CORRACTS) identifies hazardous waste handlers with Resource Conservation and Recovery Act (RCRA) corrective action activity. The database search identified four CORRACTS sites within a one mile radius of the property. The site nearest the subject property is identified as Active Steel Drum Company, Inc. located at 52 - 30 34th Street, Long Island City, New York approximately 0.4 mile southeast of the subject property. This facility is also identified on the FINDS and RCRA-SQG listings. According to the database report, this facility has been assigned a low-corrective action priority. Impacts to the subject property from this and the remaining facilities on the CORRACTS listing are not anticipated due to their distance from the subject property.

5. **Federal RCRA Non-CORRACTS TSD Facilities List.** The Resource Conservation and Recovery System (RCRIS) Treatment, Storage and Disposal (TSD) Facilities report contains information pertaining to permitted facilities which treat, store, or dispose of hazardous wastes. This report includes information traced by the RCRA Administrative Action Tracking System (RAATS). The radius revealed no RCRIS TSD sites and/or RAATS sites within a 0.5 mile radius of the property.

6. **Federal RCRA Small Quantity Generators (SQG) List.** The RCRIS SQG report contains information pertaining to facilities which either generate between 100 kg and 1,000 kg per month of RCRA hazardous waste or meet other applicable requirements of RCRA. **The subject property identified as Phillip A. Hunt Chemical Corporation located at 47 - 50 30th Street, Long Island City, New York is identified as a RCRIS-SQG site under EPA ID No. NYD072731730.** No spills or violations were reported in association with this listing. In addition, the radius profile revealed 34 RCRIS-SQG site within a 0.25 mile radius of the subject property. The site nearest the subject property is identified as Thypin Steel Building (former) located at 49 - 99 30th Street, Long Island City, New York approximately 0.1 mile south of the subject site. No spills or violations were reported in association with this listing. Impacts to the subject property from the facilities identified on the RCRIS-SQG are not anticipated due to the absence of outstanding violations and/or distance from the subject property.

7. **Federal RCRA Large Quantity Generator (LQG) List.** The RCRIS LQG report contains information pertaining to facilities which generate more than 1,000 kg per month of RCRA hazardous waste or meet other applicable requirements of RCRA. The radius profile revealed three RCRIS LQG sites within a 0.25 mile radius of the property. The site nearest the subject property, for which violations have been reported, is identified as Sirmos, Inc. located at 47 - 07 30th Place, Long Island City, New York approximately 0.1 mile north of the subject property. Five Generator All Requirements (over-sight) violations have been reported for this property. Compliance with these violations has been met in each case. No outstanding violations have been reported for the two remaining facilities identified on the RCRIS LQG listing. Accordingly, impacts to the subject site from these properties are not anticipated.

8. **Federal ERNS List.** The Emergency Response Notification System (ERNS) is a national computer database which stores information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment during the previous reporting year. No releases was reported by ERNS within a 0.05 mile radius of the property during this period.

9. **State-Equivalent NPL and CERCLIS Sites.** The State Hazardous Waste Site (SHWS) records are the State's equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties (PRPs). Five SHWS sites are located within a one mile radius of the property. The site nearest the subject property is identified at Roehr Chemicals, Inc. located at 52 - 20 37th Street, Long Island City, New York approximately 0.5 mile southeast of the subject site. This facility also is identified on the CERCLIS, NFRAP, FINDS, LTANKS, UST and RCRA-SQG listings. Impacts to the subject property from this and the remaining facilities on the SHWS listings are not anticipated due to their distance from the subject property.

10. **State Solid Waste Facilities/Landfill Sites.** The SWF/LS List is a listing of all active and inactive permitted waste disposal sites and processing facilities located in the State of New York. One SWF/LS site is located within a 0.5 mile radius of the property. The site is identified as Lori Contracting Processing Facility located at 35 - 15 Gale Avenue, Blissville, New York approximately 0.4 mile southeast of the subject property. According to the database report, this facility is no longer active. Impacts to the subject site from this site are not anticipated due to its distance from the subject property.

11. **State Leaking Underground Storage Tank List.** The LTANK list is a comprehensive listing of all ***reported*** leaking USTs in the State of New York. Forty-one LTANK sites have been reported within a 0.5 mile radius of the property including:

LTANK Site	Address	Release Date & Tank Description	Case Status
49-49 30th Street Site	49-49 30th Street, Long Island City, New York	January 1994 Fuel Oil Tank	Case Closed January 14, 1994
Jomeira Realty	47-20 30th Street, Long Island City, New York	January 30, 2002 Fuel Oil Tank	Case Closed March 1, 2002
47-20 30th Street Site	47-20 30th Street, Long Island City, New York	December 31, 1987 Fuel Oil Tank	Case Closed November 1992
New York Envelope	29-10 Hunters Point Avenue, Long Island City, New York	May 25, 2002 Fuel Oil Tank	Active
ABCO Supply	47-70 31st Street, Long Island City, New York	May 20, 1998 Fuel Oil Tank	Active

Impacts to the subject property from these and the remaining facilities identified on the LTANK listing may be possible due to their active case status and/or close proximity to the subject property.

12. **New Jersey Registered Storage Tank List.** The Registered Storage Tank list is a comprehensive listing of all ***registered*** USTs and ASTs in the State of New York. Twenty-four registered storage tank sites are located within a 0.25 mile radius of the property, the nearest of which include:

UST/AST Facility	Address	Number of USTs/ASTs	UST/AST Capacity (gallons)	Product
30-40 48th Avenue site	30-40 48th Avenue, Long Island City, New York	2	Closed in Place 1 x 4,500 1 x 5,000	 Fuel Oil Fuel Oil

UST/AST Facility	Address	Number of USTs/ASTs	UST/AST Capacity (gallons)	Product
Thypin Steel Company, Inc.	49-49 30th Street, Long Island City, New York	4	Removed 2 x 550 Closed in Place 1 x 4,000 Not Reported 1 x 2,000 (AST)	Unleaded Gasoline Fuel Oil Fuel Oil
49-29 30th Place Realty, L.L.C.	49-29 30th Place, Long Island City, New York	1	Active 1 x 10,000	Fuel Oil
IG Federal Electric Supply	47-20 30th Street, Long Island City, New York	1	Active 1 x 4,500	Fuel Oil
29-10 Hunter's Point Avenue site	29-10 Hunter's Point Avenue, Long Island City, New York	1	Active 1 x 20,000	Fuel Oil

Impacts to the subject property from these facilities may be possible (if releases have occurred) due to their close proximity to the subject site.

13. **Hazardous Materials Information Reporting System.** HMIRS contains hazardous material spill incident information as reported to the Department of Transportation. The subject property is not listed as a HMIRS facility.

14. **PCB Activity Database System.** PADS identifies generators, transporters, commercial storage facilities and/or brokers, and disposers of PCBs who are required to notify USEPA of such activities. The subject property is not listed as a PADS site.

15. **Facility Index System.** FINDS contains both facility information and "pointers" to other sources that contain more detail. These include RCRIS; the permit compliance system (PCS); the Aerometric Information Retrieval System (AIRS); the FIFRA and TSCA Enforcement System (FATES); the FIFRA/TSCA Tracking System (FTTS); CERCLIS; DOCKET (enforcement docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); the Federal Underground Injection Control and Federal Reporting Data System; Surface Impoundments; TSCA Chemical and Commerce Information System; RCRA-J (Medical Waste Transporters/Disposers); TRIS, and TSCA. **The subject property is listed as a FINDS facility in association with its RCRIS-SQG listing.**

16. **Toxic Chemical Release Inventory System.** TRIS identifies facilities which are permitted to release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The subject property is not listed as a TRIS facility.

17. **The Federal Superfund Liens.** This list identifies properties which USEPA has the authority to file liens against in order to recover remedial action expenditures, or when the property owner receives notification of potential responsible party status. USEPA compiles a listing of filed notices of Superfund liens. The subject property is not listed as an NPL Liens site.

18. **Toxic Substances Control Act.** TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory List, including data on the production volume of these substances by plant site. The subject property is not listed as a TSCA site.

19. **Material Licensing Tracking System.** MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. The MLTS list is updated quarterly. The subject property is not listed as a MLTS site.

20. **Records of Decision.** ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup. No RODs are in effect for sites within a one mile radius of the property.

21. **Superfund (CERCLA) Consent Decrees.** Legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites are often memorialized in Consent Decrees. No Consent Decrees are reported for sites within a one mile radius of the property.

22. **Former Manufactured Gas (Coal Gas Site).** Historical coal gasification sites present a variety of potential environmental hazards. The subject property is not listed as a former coal gas site, and no former coal gas sites are located within a one mile radius of the subject site.

23. **Federal Reporting Data System.** FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels, and other requirements of the Safe Drinking Water Act of 1986. No FRDS wells were reported within a two mile radius of the site (see Section 6.2.3.3).

24. **Area Radon Information.** A national database has been developed by USEPA which is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study includes data which have been supplemented by information collected at private sources such as universities and research institutions. Although no site-specific radon data is available for the subject property, the average radon activity for Queens County, New York is 0.620 picocuries per liter (pCi/L) for living areas and 0.970 pCi/L for basements. A total of 81 sites have been tested and reported for radon in Queens County with 3 percent of the sites experiencing radon levels in living areas exceeding USEPA's standard of 4.0 pCi/L. Seven percent of the sites tested had basement radon levels in excess of 4.0 pCi/L.

Based on the database record search, a total of 128 listed sites have been identified in the vicinity of the property. The database search also identified 42 "orphan" sites which could not be located electronically due to insufficient records. Upon initial evaluation of these sites and available information gathered by Whitestone, impact to the subject property by the off-site migration of contaminants from, or presence of hazardous substances at, nearby properties may be possible, however, impacts to the site from off site sources would remain the responsibility of the owner/operator of the site from which the contamination is emanating.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following state and/or local regulatory agencies were contacted with a request to access files regarding the property pursuant to FOIL (see Appendix 3):

1. **New York State Department of Environmental Conservation**
   Robert McDonald, Freedom of Information Act Officer
   One Hunters Point Plaza
   47-40 21st Street
   Long Island City, New York 11101

2. **New York City Department of Environmental Protection**
   Marie A. Dooley, Assistant Counsel
   59-17 Junction Boulevard
   Corona, New York 11368

3. **New York City Department of Health**
   Renee Bryant, Records Access Officer
   125 Worth Street
   Room 604, Box 31
   New York, New York 10013

To date, two written responses have been received from the FOIL requests. A July 25, 2005 response from NYSDEC indicated that Whitestone's request was received and assigned FOIL Number R2-05-1185. A response will be received when the various divisions are done gathering files (if any). An August 2, 2005 response from the NYCDEP indicates that Whitestone's request currently is being reviewed by the Department and a response should be anticipated within 30 days. Additional pertinent information (if any) generated in response to these requests will be provided in a supplement to this report.

5.3 PHYSICAL SETTING SOURCES

The United States Geological Survey (USGS) *7.5 Minute Topographic Quadrangles - Brooklyn, New York* dated 1947, 1956, 1967, 1979, and 1995 depicting the area on which the subject property is located are provided as Figures 1A through 1E. The 1956 through 1995 USGS maps do not identify individual structures

due to the urban setting of this area. The 1947 USGS map depicts a structure of similar size and location (footprint) to the current site building located on the subject property. All the USGS maps depict the site to be situated at an approximate elevation of 15 feet above mean sea level (msl).

5.4 HISTORICAL USE INFORMATION (SUBJECT PROPERTY)

5.4.1 Aerial Photograph Evaluation

Aerial photographs were not reviewed by Whitestone due to the extensive coverage of Sanborn Maps and the poor resolution of urban properties on typical aerial photographs.

5.4.2 Fire Insurance Maps

Sanborn Fire Insurance Maps are available for this property for the years 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1995, and 1996. A summary of the pertinent features highlighted by the Sanborn Maps is outlined below. Copies of the Sanborn Fire Insurance Maps are included as Appendix 5 to this report.

1898: In 1898, the subject property appears vacant and undeveloped. The site was bound by vacant land to the north; vacant land beyond 30th Street (identified as Orton Street) to the east; vacant land beyond Hunter's Point Avenue to the south; and vacant land to the west.

1915: The conditions depicted in the 1915 Sanborn Map appear generally similar to those identified on the 1898 Sanborn map.

1936: By 1936, the northern portion of the subject property was occupied by the East River Mill and Lumber Company and was identified as a lumber yard. The central portion of the site was vacant and undeveloped and the southern portion of the site was occupied by Shellac Products Company. The site was bound by a warehouse structure to the north; vacant land and 48th Street beyond 30th Street to the east; railroad tracks and vacant land beyond Hunter's Point Avenue to the south; and warehouses to the west.

1947: By 1947, the original portion of the current site building had been constructed in the northern-central portion of the subject property and was occupied by a refrigerated warehouse. Otherwise, the conditions depicted on this 1947 Sanborn Map appear generally similar to those identified on the 1936 Sanborn Map.

1950: By 1950, the northern portion of the subject property was identified as a liquor warehouse and several commercial structures had been constructed beyond Hunter's Point Avenue to the south of the subject property. Otherwise, the conditions depicted in this 1950 Sanborn Map appear generally similar to those identified on the 1947 Sanborn Map.

1970: By 1970, the subject property was completely developed by a structure of similar size and location (footprint) to the current site building. The structure was identified as a liquor warehouse for the Standard Wine & Liquor Company. In addition, a commercial warehouse had been constructed beyond 30th Street to the east of the subject site and beyond Hunter's Point Avenue to the south of the subject site.

1977: By 1977, the subject property was identified as Philip A . Hunt Chemical Corporation. The eastern portion of the site building was identified as office space and the northern, southern and western portions of the site building are identified as warehouse space. The conditions surrounding the subject property appear generally similar to the conditions identified on the 1970 Sanborn Map.

1979-96: The conditions depicted in the 1979 through 1996 Sanborn Maps appear generally similar to those identified on the 1977 Sanborn Map.

5.4.3 Property Tax Files

Property ownership information was not readily available from the Tax Assessor's office, however, site ownership information obtained from the City of New York Department of Building internet website indicated that the subject property currently is owned by Milton Paper Company located at 47-50 30th Street, Long Island City, New York. The subject property is identified as Block 115, Lot 187 with a street address of 47-50 30th Street. No further information was available from this website.

5.4.4 Limited Chain of Title Search

A limited chain of title search was initiated in an attempt to determine past site usage and ownership. Deeds information provided by the Milton Paper Company indicated the following conveyances.

Date	Grantor	Grantee	Book	Page
July 11, 1947	Pabst Sales Company	MAEPEG Realty Company	5430	621
May 8, 1957	Universal Glass Products Company	MAEPEG Realty Company	6975	97
September 24, 1983	MAEPEG Realty Company	Diana Properties, Inc.	1591	1021
September 14, 1985	Diana Properties, Inc.	New York City Industrial Development Agency	1931	664
March 2, 2001	New York City Industrial Development Agency	Milton Paper Company	5850	362

5.4.5 City Directory Search

Whitestone utilized the services of the EDR to conduct a search of business directories for the years spanning 1922 through 2000. This search revealed the following occupants of the subject property address. A copy of the City Directory Search is included in Appendix 3:

1922: Address Not Listed in Research Source

1934: Address Not Listed in Research Source

1940: Address Not Listed in Research Source

1945: Pabst Sales Company

1950: Lagerloef Birger B
Standard Wine & Liquor Company, Inc.

1962: Birger B. Lagerloef
Standard Wine & Liquor Company, Inc.

1967: Standard Wine & Liquor Company, Inc.

1970: Birger B. Lagerloef
Standard Wine & Liquor Company, Inc.

1976: Philip A. Hunt Chemical Corporation
Sales and Service Department

1983: Philip A. Hunt Chemical Corporation
Sales and Service Department

1991: Milton Paper Company

1996: Address Not Listed In Research Source

2000: Milton Paper Company

5.4.6 Additional Historical Sources

In addition to the historical references discussed above, Whitestone also reviewed the following documents pertinent to the subject property and the subject area:

- November 17, 2004 *Phase I Environmental Site Assessment* prepared by Lender Consulting Services, Inc. (LCS)

LCS's Phase I ESA of the subject property revealed that a 3,000 gallon fuel oil UST remains closed in place in the eastern portion of the site building and that former site operations conducted by Acme Shellac Products and Philip A. Hunt Chemical Corporation likely included the on-site storage and use of hazardous and potentially hazardous chemicals. A site sketch provided in this report identifies a warehouse room in the western portion of the site building as a "reported explosion room". The report also noted that the subject property is listed under former site tenant Philip A. Hunt Chemical Corp. on the RCRIS-SQG database as a small quantity generator of federally regulated hazardous wastes. LCS recommended a Phase II Site Investigation to assess subsurface impacts from historic site operations at the subject property and to characterize subsurface conditions in the vicinity of the former fuel oil UST abandoned in place at the subject property. LCS also recommended updating the subject property's RCRIS-SQG listing with the United States Environmental Protection Agency.

- December 13, 2004 *Report Addendum No. 1* prepared by LCS

This addendum to LCS's November 17, 2004 Phase I ESA states that LCS has received and reviewed a letter from the current site owner Stephen Verp. This letter reportedly maintained that the subject property historically has been used as a warehouse and no manufacturing had taken place on site. LCS stated that this assessment was consistent with historical sources reviewed by LCS and concluded that no further investigations at the property were necessary. However, LCS also stated the possibility remained that impact soils could be encountered at the subject property.

5.5 HISTORICAL USE INFORMATION (ADJOINING PROPERTIES)

The subject property is located in an area of Long Island City, New York, which historically has consisted of a mix of warehousing and light industrial development. An increase in commercial development in the area of the subject property was observed between 1936 and 1947.

SECTION 6.0
Site Reconnaissance

6.1 METHODOLOGY AND LIMITING CONDITIONS

Whitestone conducted a reconnaissance of accessible portions of the subject property on July 21, 2005. Existing site conditions and potential recognized environmental conditions (RECs) were photographed (see Appendix 1) and are documented below. Suggestions for the further investigation and/or remediation of the RECs identified in the following subsections are outlined in Section 8.0.

6.2 GENERAL SITE SETTING

Site location and description information is provided in Section 3.1 of this report.

6.2.1 Current and Past Uses of the Property

Current and past uses of the subject property are discussed in Sections 3.3 and 5.4 of this report.

6.2.2 Current and Past Uses of Adjoining Properties and the Surrounding Area

Current and past uses of adjoining properties and the surrounding area are discussed in Sections 3.5 and 5.4 of this report.

6.2.3 Geological/Hydrogeological Characteristics

6.2.3.1 Topography/Geology

The subject property relatively is flatlying with an average surface elevation of 15 feet above mean sea level (msl).

According to the State of New York, State Education Department, New York State Geological Survey, *Geologic Map of New York - Lower Hudson Sheet*, dated 1970, the subject site is located within the Coastal Plains Physiographic Province of New York. Specifically, the area reportedly is underlain by the Monmouth Group, Matawan Group, and Magothy Formation consisting of silty clay, sandy clay, sand, and gravel. Given the urban nature of the site vicinity, urban fill materials imported to establish current site grades likely overlie native soils in this area.

6.2.3.2 Surface Water/Wetlands

The subject property is completely developed and no surface water or vegetation indicative of wetland areas were observed on site. The subject property is not described on *2002 United States Fish and Wildlife Service National Wetlands Inventory Map* as a mapped wetlands area. A wetlands survey/delineation was beyond the scope of this Phase I ESA investigation.

6.2.3.3 Groundwater

The nearest groundwater well for which public database information is available is located 0.1 mile from the site. The closest federal and/or state database wells north, south, east, and west of the site are characterized as follows:

Location	Distance to Site	Well Depth	Depth to Groundwater	Comments
North Quadrant	0.25 Mile	500 Ft.	Not Reported	USGS Well
South Quadrant	0.10 Mile	93 Ft.	Not Reported	USGS Well
East Quadrant	0.30 Mile	125 Ft.	Not Reported	USGS Well
West Quadrant	0.40 Mile	67 Ft.	Not Reported	USGS Well

None of the wells listed above are noted as having environmental violations or concerns associated with their usage or construction.

6.2.4 Site Vicinity and Characteristics

Information pertaining to existing site structures/improvements, utilities, roads, potable water supply and sewage disposal system is provided in Section 3.4 of this report.

6.3 INTERIOR AND EXTERIOR OBSERVATIONS

6.3.1 Presence of Hazardous Materials - Interior Reconnaissance

The following the hazardous and potentially hazardous materials and/or wastes were identified within the existing site structure and are summarized as follows:

Material	Quantity/ Container Size	Location	Condition	Evidence of Release (Yes/No)
Floor Patch	Six x Five Gallon Buckets One x 55 Gallon Drum	Warehouse	Good	No
Latex Paint	Four x Five Gallon Buckets	Warehouse	Fair	No
Sweeping Compound	Three x 170 Pound Drums	Warehouse	Good	No
Motor Oil	Four x One Quart Containers	Warehouse	Good	No
Industrial Batteries	Five Batteries	Warehouse	Good	No

Minor staining was observed within the warehouse portions of the site building. The staining appeared to be contained by the underlying concrete floor slab. In general, hazardous or potentially hazardous materials observed on site were stored in an environmentally sound manner. In addition, the subject property is listed as an RCRIS SQG site under a former tenant, Philip A. Hunt Chemical Corporation, in association with the on-site generation and off-site disposal of federally regulated hazardous waste.

The subject property historically has been utilized as a chemical warehouse and as a shellac company. These operations likely included the on-site storage and/or use of hazardous or potentially hazardous materials. Discharges of such materials/wastes potentially may have resulted in contamination of soil and/or groundwater at the subject property.

6.3.2 Presence of Hazardous Materials - Exterior Reconnaissance

The subject property is completely developed by the existing site building. No hazardous or potentially hazardous materials and/or wastes were observed along the boundaries of the immediately adjoining properties

6.3.3 Storage Tanks/Pipelines

6.3.3.1 Underground Storage Tanks (USTs)

As noted in Section 5.1, no UST(s) are registered at the subject site, however, one 3,000 gallon former fuel oil UST remains abandoned-in-place in the eastern portion of the site building. Records reviewed by Whitestone indicate that the UST was vacuum pumped and filled with sand by ABC Tank Cleaning & Repairing, Inc. in 1991. Documentation regarding soil sampling in conjunction with UST abandonment was provided to Whitestone.

6.3.3.2 Aboveground Storage Tanks (ASTs)

No indications of current or prior AST usage or installation were observed on-site during Whitestone's site reconnaissance.

6.3.3.3 Septic Tanks

The site building currently is serviced by municipal sanitary sewer lines and no surficial evidence of abandoned or in service septic systems was observed during Whitestone's site reconnaissance.

6.3.3.4 Pipelines and Other Storage Vessels

No product or non-utility pipelines or other storage vessels were observed during Whitestone's site reconnaissance.

6.3.4 Indications of Polychlorinated Biphenyls (PCBs)

Sites developed prior to 1980 may house oil-filled electrical, mechanical, hydraulic, or heat transfer equipment and/or fluorescent light ballasts containing polychlorinated biphenyls (PCBs). Suspect PCB equipment observed on site including fluorescent light ballasts observed throughout the site building and electrical equipment observed in the eastern portion of the site building.

6.3.5 Asbestos Containing Materials (ACM)

Structures pre-dating 1980 may have been built using asbestos containing construction or insulation materials. Given the age of the site building (constructed in 1947), ACM should be suspect.

6.3.6 Lead Based Paints

Structures pre-dating 1980 may be coated with lead based paints (LBP). Delaminating, peeling painted surfaces were not identified on site, however, given the age of the site building (constructed in 1947) LBP should be suspected.

6.4 ADDITIONAL INTERIOR OBSERVATIONS

Based on the interior site reconnaissance, review of records, and historical usage of the subject property, Whitestone has identified the following conditions which may impact future development of this property or present the potential for future environmental liability.

- Heating/Cooling: The site building currently is heated by natural gas. The office space located within the eastern portion of the site building is cooled by electrical air conditioning units. The warehouse space located in the northern, southern and western portions of the site building is not cooled. The site building formerly utilized heating oil stored in a 3,000 gallon UST located in the eastern portion of the site building for heating purposes.

- Stains or Corrosion: Minor petroleum staining was observed within the warehouse portions of the site building. The staining appeared to be contained by the underlying concrete floor slab

- Drains and Sumps: Two floor drains were observed in a storage room located in the western portion of the subject site. A site sketch provided in LCS's November 17, 2004 Phase I ESA for the subject property identifies this room as "reported explosion room". This room may formerly have been utilized for the mixing and testing of chemicals associated with former site building tenant, Philip A. Hunt Chemical Corporation. Accordingly, the discharge point of these floor drains should be determined.

6.5 ADDITIONAL EXTERIOR OBSERVATIONS

Based on the exterior site reconnaissance, review of records, and historical usage of the subject property and surrounding properties, Whitestone has identified the following conditions which may impact future development of this property or present the potential for future environmental liability.

- Pits, Ponds or Lagoons: Not Observed.

- Stained Soil or Pavement: Not Observed

- Stressed Vegetation: Not Observed.

- Solid Waste Disposal: Miscellaneous debris including glass, plastic, and cardboard litter were observed along the western exterior of the subject site.

- Waste Water: Not Observed.

- Wells: Not Observed.

- Septic Systems: The site building currently is serviced by municipal sanitary sewer lines and no surficial evidence of abandoned or in service septic systems was observed during Whitestone's site reconnaissance.

- Current/Past Agricultural Activity: Not Observed.

- Potential Off-Site Impacts/Concerns: Not Observed.

SECTION 7.0
Interviews

Telephone and/or in-person interviews conducted with the following public officials and knowledgeable site representatives are summarized below:

SITE OWNER **Stephen A. Verp, President • Milton Paper Company**

Whitestone spoke with Stephen Verp during the July 21, 2005 site reconnaissance and on August 11, 2005 to obtain pertinent information regarding the subject property. Mr. Verp informed Whitestone that the site building currently is serviced by natural gas, electricity, public water, and municipal sanitary/sewer lines and that the site building formerly utilized heating oil, stored in a 3,000 gallon UST for heating purposes. In 1992, after receiving a Notice of Violation from the New York City Fire Department this UST was vacuum pumped, squeegee cleaned, and filled with sand. The UST remains abandoned-in-place in the eastern portion of the subject property. Mr. Verp informed Whitestone that the current site building is approximatcly 60 to 70 years old and previously had been occupied by a paper company, a liquor warehouse, and a chemical company. Mr. Verp could not provide information regarding the uses of the subject site prior to the current site building's construction. Mr. Verp informed Whitestone that the Milton Paper Company does not own any exterior portions of the site building including the railroad tracks located along the western exterior of the site building. Mr. Verp also stated that to the best of his knowledge, no manufacturing or chemical processing operations have been conducted on site. Mr. Verp also refuted the claim in LCS's Phase I ESA that a warehouse room located in the western portion of the site building had previously operated as an "explosion room".

Copies of Records of Communication for each of the telephone and/or in-person interviews listed above are included in Appendix 3.

SECTION 8.0
Findings, Conclusions, and Recommendations

Whitestone Associates, Inc. has performed a Phase I Environmental Site Assessment in general accordance with the scope and limitations of ASTM Standard Practice E1527-00 and the conditions of Section 2.2 of this report of the existing Milton Paper Company located at 47-50 30th Street in Long Island City, Queens County, New York. Phase I ESA activities identified several recognized environmental conditions (RECs) which warrant further consideration. These RECs and suggestions for their further investigation or remediation are outlined below.

8.1 OPINION

8.1.1 Summary of RECs

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

- The subject property historically has been utilized as a chemical warehouse and as a shellac company. These operations likely included the on-site storage and/or use of hazardous or potentially hazardous materials. Discharges of such materials/wastes potentially may have resulted in contamination of soil and/or groundwater at the subject property.

- One 3,000 gallon former fuel oil UST remains abandoned in place under the eastern portion of the site building. No environmental sampling was reportedly conducted during UST closure activities and potentially releases from this former UST may have impacted subsurface conditions at the subject property.

- Two floor drains were observed in a storage room located in the western portion of the site building. A site sketch provided in Lender Consulting Services' (LCS) November 17, 2004 Phase I ESA for the subject property identifies this room as "reported explosion room". This room may formerly have been utilized for the mixing and testing of chemicals associated with former site building tenant, Philip A. Hunt Chemical Corporation. Accordingly, the discharge point of these floor drains should be determined.

Recommendations for further investigation and/or remediation of each of these RECs are outlined in Section 8.2.

8.1.2 Limited Evaluation of Business Environmental Risk

Items that are not identified as RECs and do not warrant further investigation, however, may require limited corrective action include the following:

- Hazardous materials not intended for on-site reuse should be segregated, containerized, removed from the site, and disposed, recycled or reused off-site in accordance with federal and state waste management regulations.

- The subject property currently is listed on the RCRIS SQG database as a small quantity generator of federally regulated hazardous wastes. This listing is associated with former site waste management activities. The RCRIS SQG registration should be delisted through a notification to the USEPA.

- According to historical sources reviewed by Whitestone several structures formerly were situated on the subject property. Available information could not confirm whether these previous structures were connected to natural gas service or if alternative heating fuels such as coal, heating oil, propane, or electricity were used. If used on site, heating oil may have been stored in other USTs or ASTs in addition to the abandoned-in-place 3,000 gallon UST. The presence or absence of other abandoned on-site USTs from prior on-site structures has not been documented or refuted, and prior USTs may have been removed during previous site demolition efforts or may remain abandoned on site.

- The historic presence or absence of out-of-service septic systems associated with former site structures has not been confirmed or refuted. No surficial evidence of abandoned septic systems was observed during the site reconnaissance. Abandoned septic system components would likely have been removed or backfilled during past site development efforts. Septic system components encountered during site redevelopment would require proper closure pursuant to local health department guidelines. Closure of septic systems typically entails removing the contents for off-site disposal/treatment and filling the empty septic tank or cesspool with sand or concrete.

- Railroad spurs (reportedly located off site) travel along the western exterior of the subject property. Railroad tracks and historic rail operations can be a source of PCB and/or semi-volatile organic contamination in shallow or near surface soils. Additionally, the database search identified nearby listed sites. Releases/discharges associated with the railroad tracks or nearby listed sites could potentially impact conditions at the subject site, however, any such conditions would remain the responsibility of the owner operator of the site from which the contamination is emanating.

- Suspect PCB equipment observed on site including fluorescent light ballasts observed throughout the site building and electrical equipment observed in the eastern portion of the site building. If not intended for future use, the PCB content of this equipment should be verified prior to disposal.

- Structures pre-dating 1980 may have been built using asbestos containing construction or insulation materials. Given the age of the site building, (constructed in 1947) ACM should be suspect, therefore and ACM survey is recommended.

- Structures pre-dating 1980 may be coated with lead based paints (LBP). Delaminating, peeling painted surfaces were not identified on site, however given the age of the site building (constructed in 1947) LBP should be suspected.

8.2 CONCLUSIONS AND RECOMMENDATIONS

The following activities are recommended to address the RECs listed in Section 8.1.

- A Phase II Site Investigation (SI) should be conducted at the subject property to determine if subsurface conditions have been impacted by historic site activities or the abandoned UST. The SI should include soil and groundwater investigations, in the abandoned UST area and in the vicinity of former hazardous material storage and handing areas. In addition, the discharge point of the two floor drains located in the western portion of the structure should be determined. In the event that the floor drains discharge to a drywell or septic tank, additional investigation will be required.

8.3 DEVIATIONS

Whitestone has performed a Phase I Environmental Site Assessment of the subject property in conformance with the scope and limitations of ASTM Practice 1527-00. No exceptions to or deletions from this practice have been taken.

8.4 REFERENCES

1. American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-00).

2. Sanborn Fire Insurance Maps for the years 1898, 1915, 1936, 1947, 1950, 1970, 1977, 1979, 1980, 1985, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1995, and 1996.

3. United States Geological Survey *7.5 Minute Topographical Quadrangle Brooklyn -New York,* dated 1947, 1956, 1967, 1979, and 1995.

4. *EDR - Radius Map, Milton Paper Company, 47-50 30th Street, Long Island City, New York 11101* prepared by Environmental Data Resources, Inc., dated July 13, 2005.

5. Wetlands map from the *2002 United States Fish and Wildlife Service National Wetlands Inventory Map.*

6. *November 17, 2004 Phase I Environmental Site Assessment* prepared by Lender Consulting Services, Inc.

7. *City Directory Abstract* prepared by Environmental Data Resources, Inc. dated July 14, 2005.

8. *December 13, 2004 Report Addendum No. 1* prepared by Lender Consulting Services, Inc.

9. New York State Geological Survey, *Geologic Map of New York - Lower Hudson Sheet*, dated 1970.

SECTION 9.0
Additional Services

No additional services have been conducted in association with the Phase I ESA of the subject property.

SECTION 10.0
Environmental Professionals

10.1 SIGNATURES

The following Whitestone personnel were responsible for conducting the Phase I ESA of the subject site and preparing the information presented herein.

SITE INSPECTOR:

Erik Colonna Romano
Environmental Specialist
Whitestone Associates, Inc.

8.16.05
Date

PROJECT MANAGER:

Christopher Seib
Environmental Services Manager
Whitestone Associates, Inc.

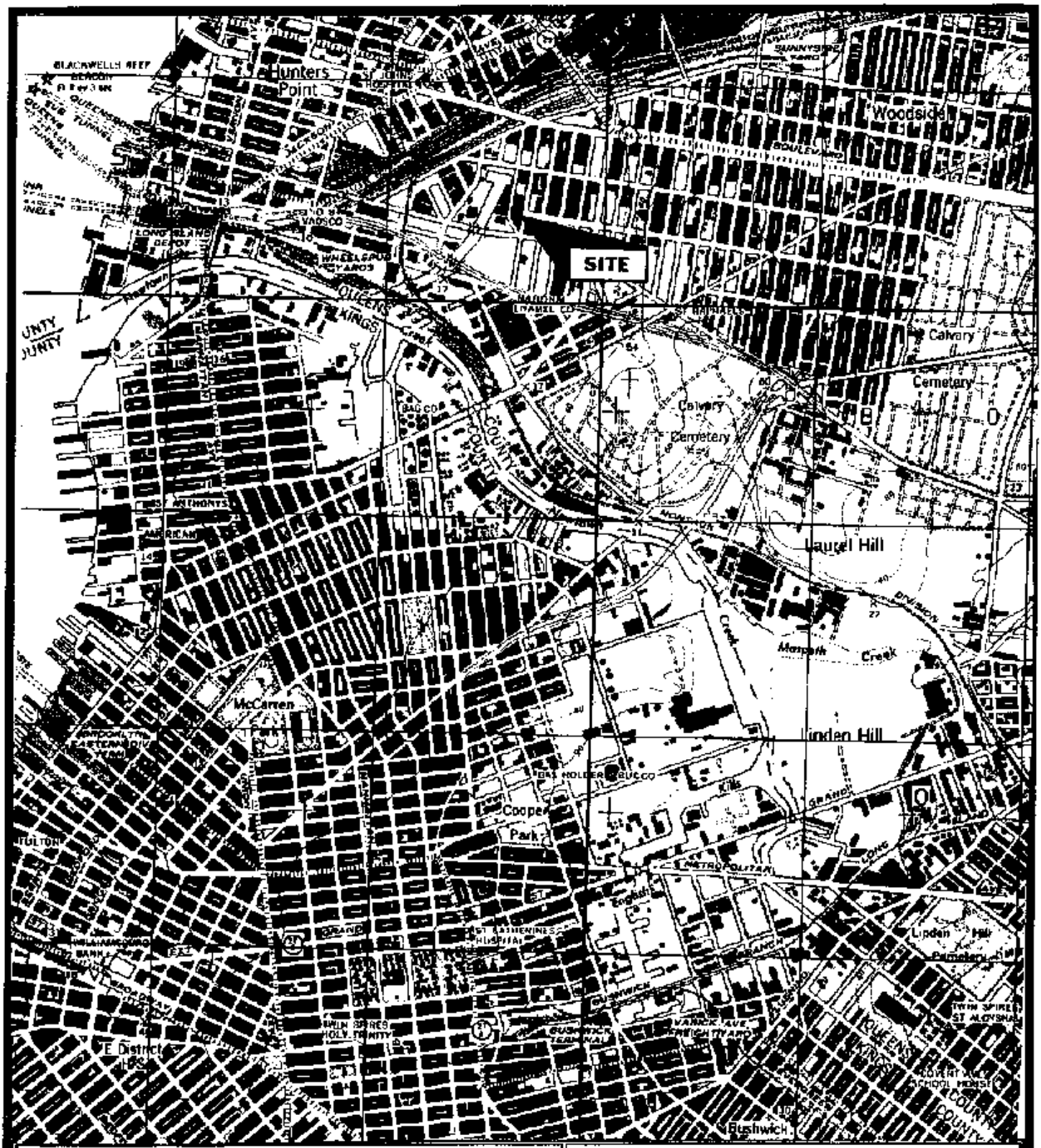
8/16/05
Date

10.2 QUALIFICATIONS

Resumes for the Whitestone environmental professionals responsible for this Phase I ESA are provided in Appendix 7 of this report.

WHITESTONE ASSOCIATES, INC.

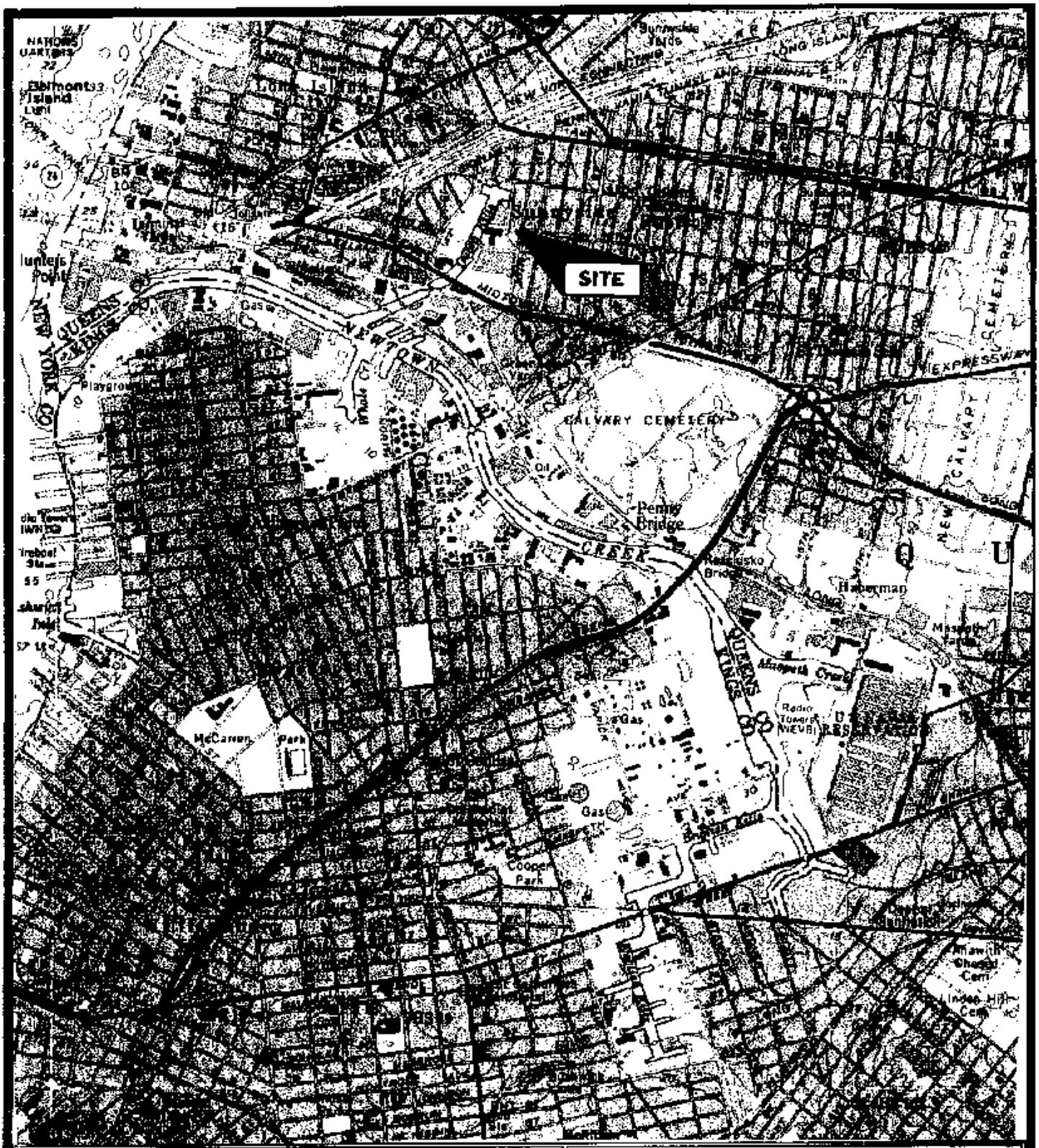
FIGURE 1
Site Location Map



TITLE:	**Site Location Map**
CLIENT:	PRESTONE PRINTING

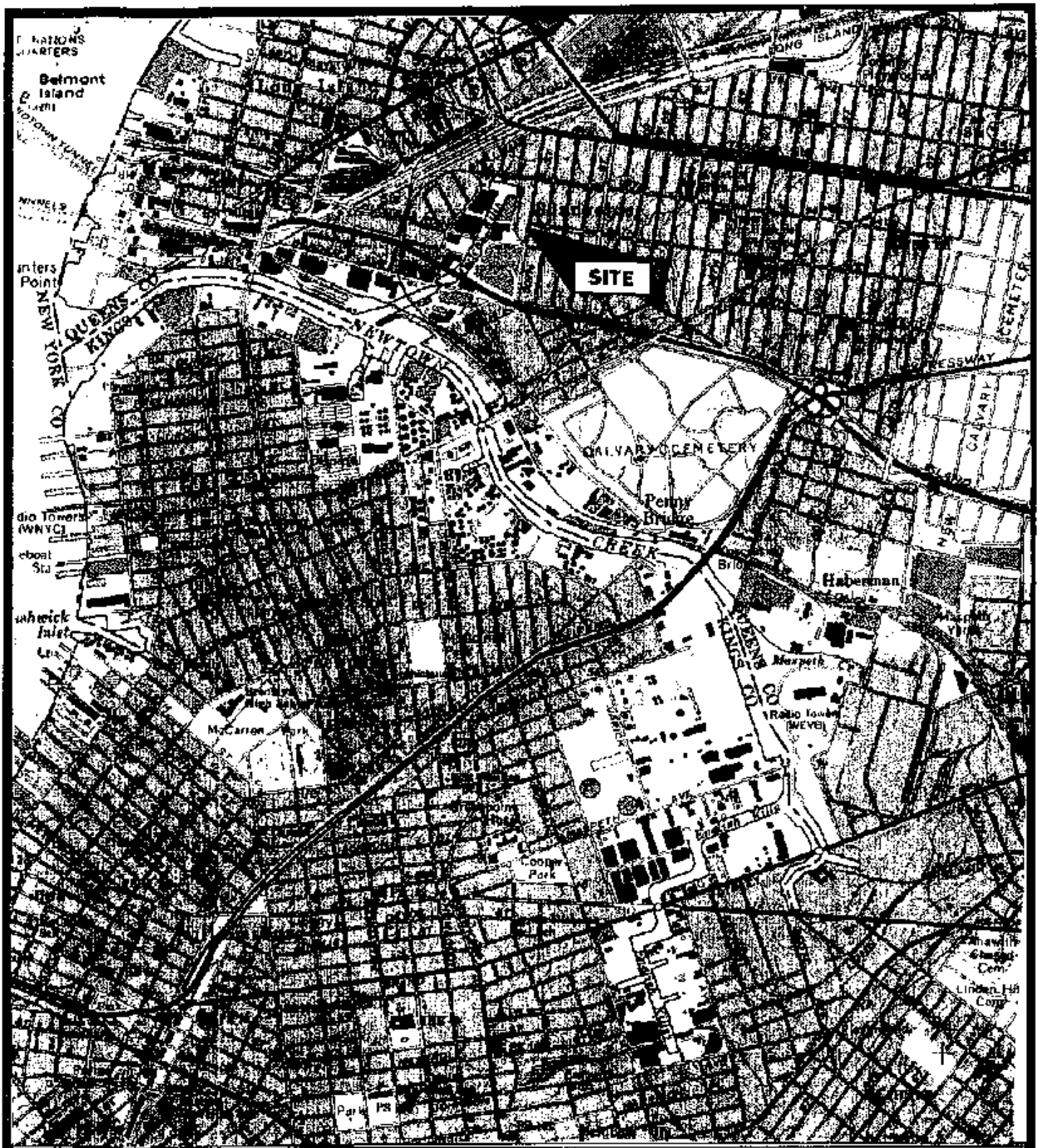
WHITESTONE ASSOCIATES, INC.
786 MOUNTAIN BOULEVARD, SUITE 200
WATCHUNG, NEW JERSEY 07069
908.668.7777 ✦ 908.754.5936 FAX

PROJECT:	PROJECT #:	BY:	PROJ. MGR.	DATE:	SCALE:	FIGURE:
PHASE I ESA Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	WJ05-7931	USGS	CS	1947	1:25,000	1A



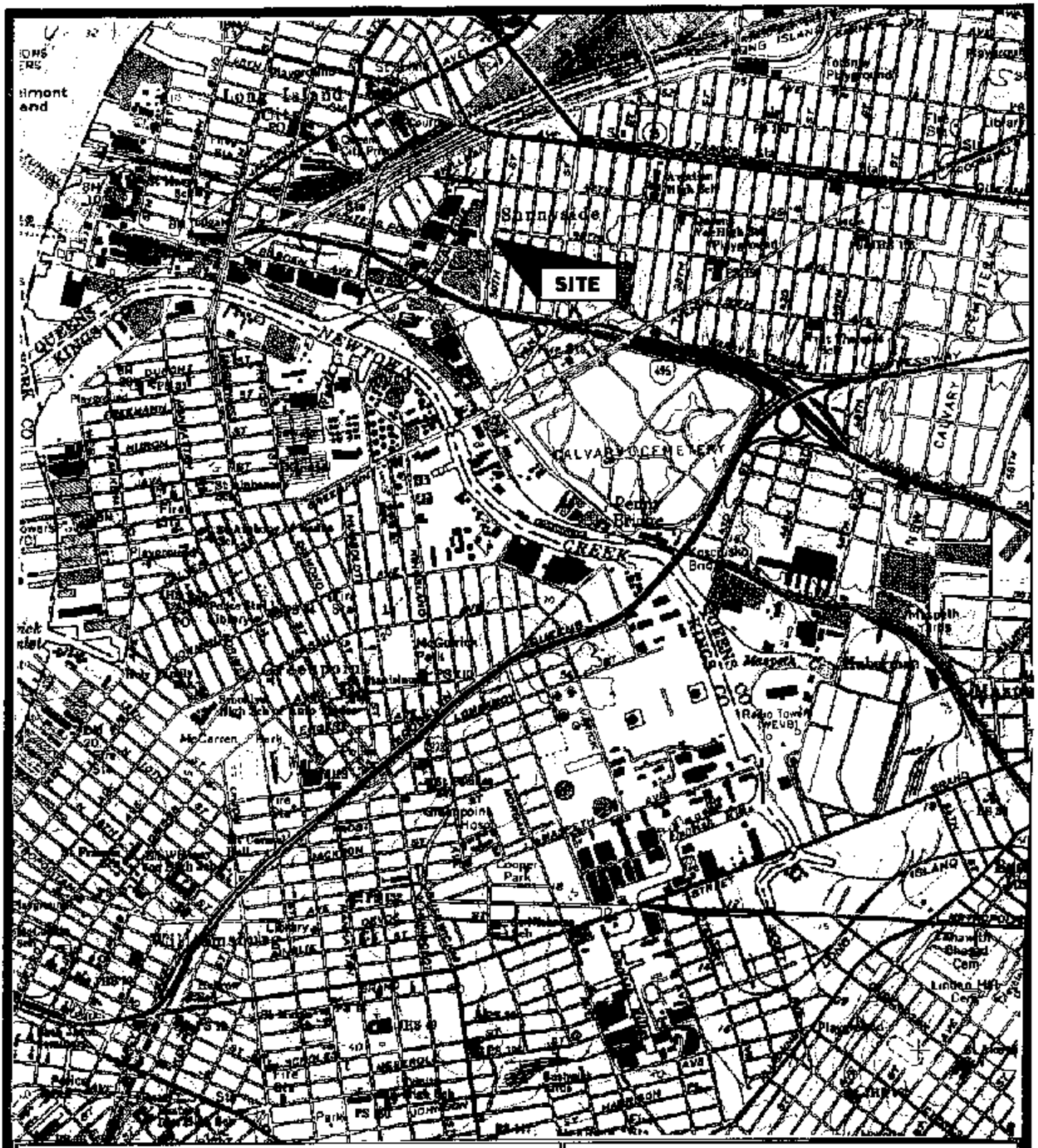
TITLE:	**Site Location Map**						
CLIENT:	PRESTONE PRINTING						
PROJECT:	PHASE I ESA Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	PROJECT #: WJ05-7931	BY: USGS	PROJ. MGR. CS	DATE: 1956	SCALE: 1:24,000	FIGURE: 1B

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WATCHUNG, NEW JERSEY 07069
908.668.7777 ✦ 908.754.5936 FAX



TITLE:	**Site Location Map**						
CLIENT:	PRESTONE PRINTING						
PROJECT:	PHASE I ESA Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	PROJECT #: WJ05-7931	DY: USGS	PROJ. MGR. CS	DATE: 1967	SCALE: 1:24,000	FIGURE: 1C

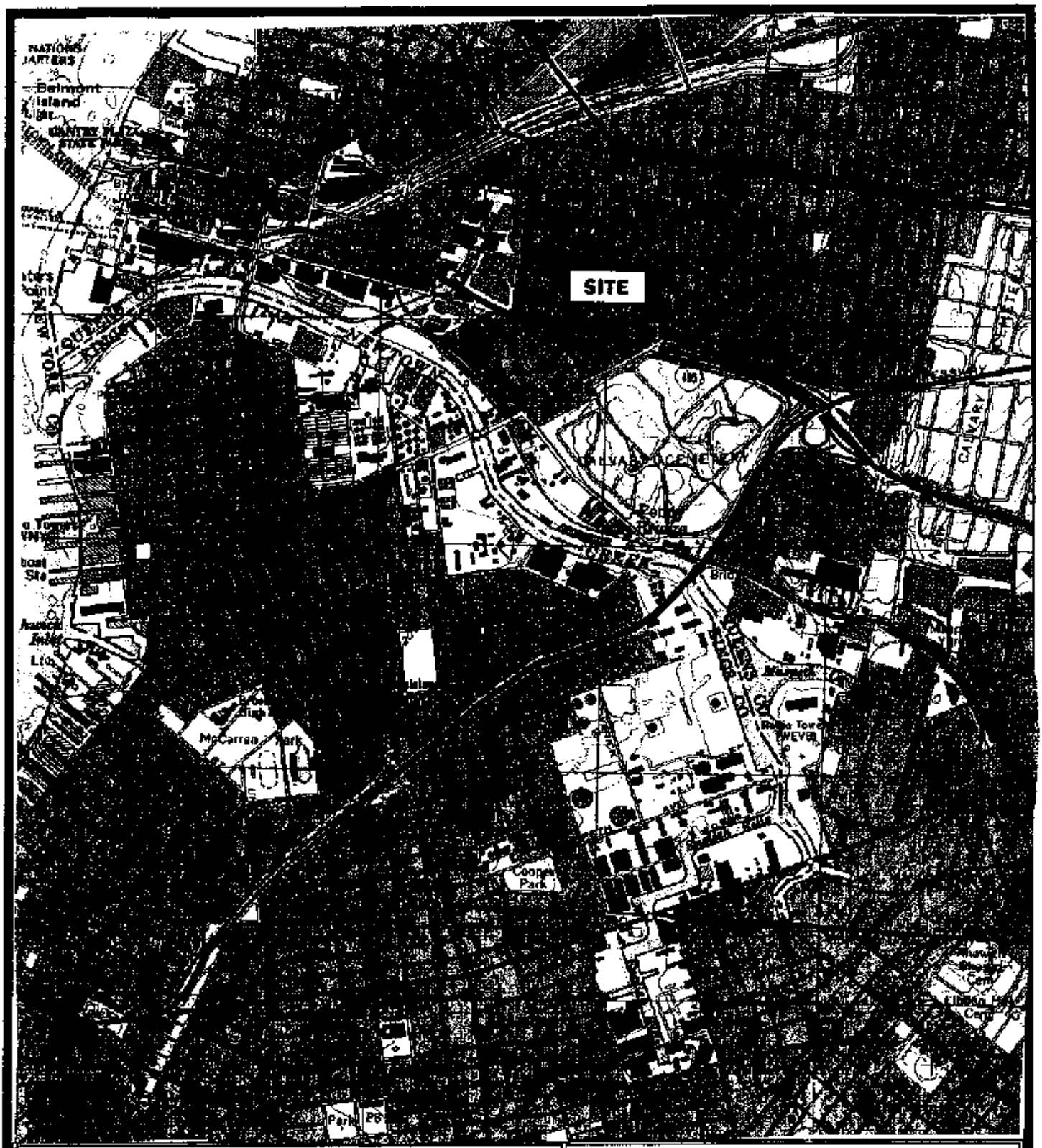
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WATCHUNG, NEW JERSEY 07069
908.668.7777 ✦ 908.754.5936 FAX

PROJECT:	PROJECT #:	BY:	PROJ. MGR.	DATE:	SCALE:	FIGURE:
PHASE I ESA Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	WJ05-7931	USGS	CS	1979	1:24,000	1D



TITLE:	**Site Location Map**
CLIENT:	PRESTONE PRINTING

WHITESTONE ASSOCIATES, INC.
786 MOUNTAIN BOULEVARD, SUITE 200
WATCHUNG, NEW JERSEY 07069
908.668.7777 ✦ 908.754.5936 FAX

PROJECT:	PROJECT #:	BY:	PROJ. MGR.	DATE:	SCALE:	FIGURE:
PHASE I ESA Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	WJ05-7931	USGS	CS	1995	1:24,000	1E

WHITESTONE ASSOCIATES, INC.

FIGURE 2
Existing Conditions and REC Location Plan

REPORTED "EXPLOSION" ROOM

APPROXIMATE LOCATION OF FLOOR DRAINS

WAREHOUSE AREA

WAREHOUSE AREA

APPROXIMATE LOCATION OF ABANDONED UST

OFFICE AREA

LOADING DOCK AREA

30TH STREET

48TH AVENUE

LEGEND

SUBJECT PROPERTY BOUNDARY (APPROX.)

ABANDONED RAILROAD TRACKS (APPROX.)

REFERENCE

THIS PLAN IS BASED UPON AN UNDATED SURVEY PROVIDED BY SHOLOM & ZUCKERBROT REALTY COMPANY

WHITESTONE ASSOCIATES, INC.
786 MOUNTAIN BOULEVARD, SUITE 200
WATCHUNG, NEW JERSEY 07069
908.668.7777 • 908.754.5936 FAX

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
WJ05-7931	MC	CS	8/10/05	N.T.S.	2

TITLE: EXISTING CONDITIONS AND REC LOCATION PLAN

CLIENT: PRESTONE PRINTING

PROJECT: PHASE I ESA
EXISTING MILTON PAPER COMPANY
47-50 30TH STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

WHITESTONE ASSOCIATES, INC.

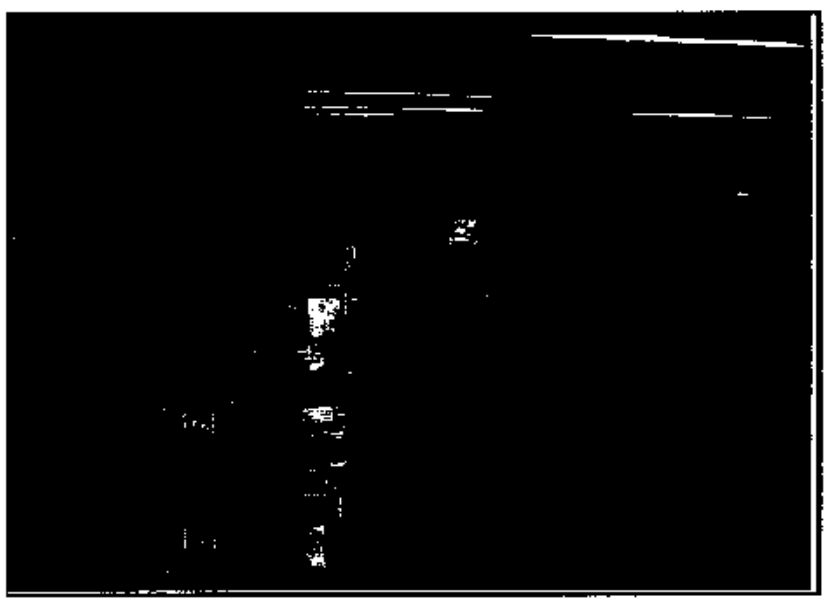
APPENDIX 1
Site Reconnaissance Photographs



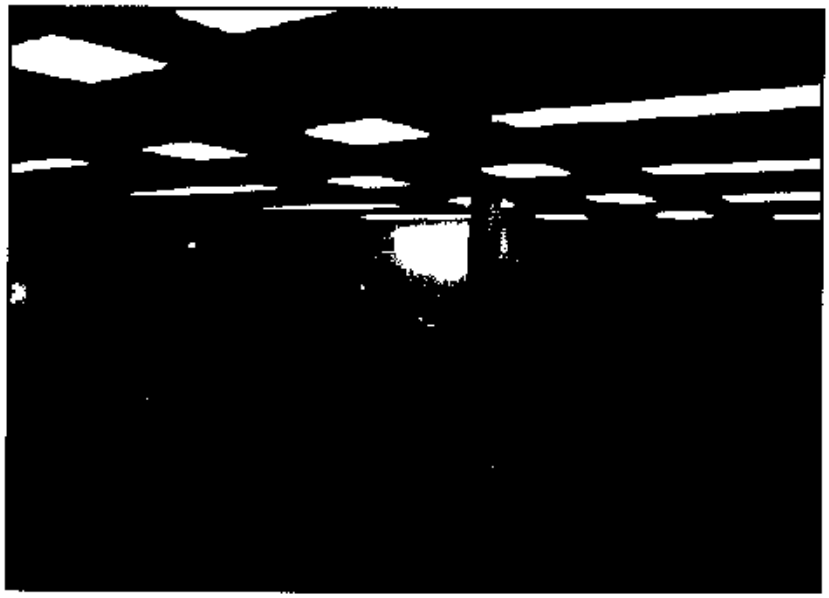
SUBJECT SITE; VIEW TO THE EAST.



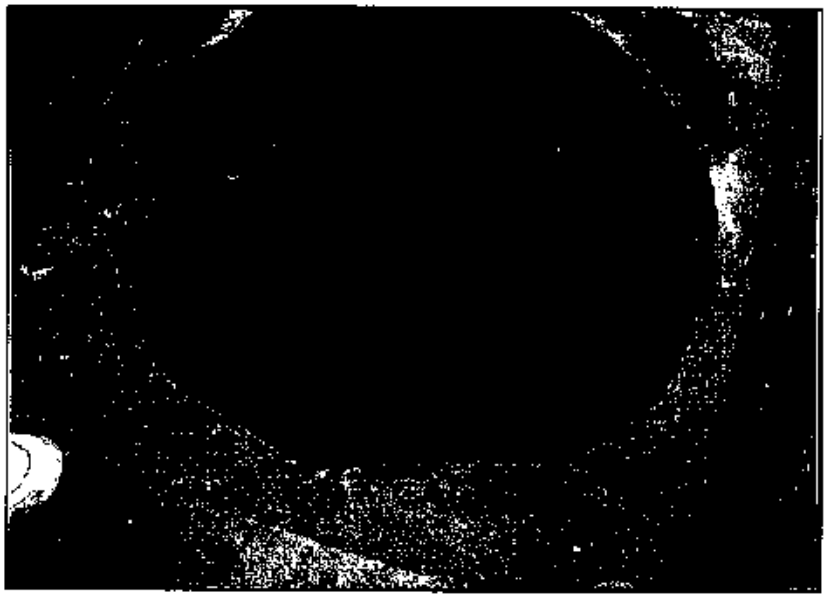
LOADING DOCK AREA OF SITE BUILDING.



INTERIOR WAREHOUSE PORTION OF SITE BUILDING.



INTERIOR OFFICE PORTION OF SITE BUILDING



ABANDONED UNDERGROUND STORAGE TANK LOCATED IN EASTERN PORTION OF SITE BUILDING



STAINING OBSERVED WITHIN WAREHOUSE PORTION OF SITE BUILDING

WHITESTONE ASSOCIATES, INC.

APPENDIX 2
Database Records Search



EDR™ Environmental
Data Resources Inc

The EDR Radius Map
with GeoCheck®

Milton Paper Company
47-50 30th Street
Long Island City, NY 11101

Inquiry Number: 1465344.2s

July 13, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

47-50 30TH STREET
LONG ISLAND CITY, NY 11101

COORDINATES

Latitude (North):	40.741500 - 40° 44' 29.4"
Longitude (West):	73.938100 - 73° 56' 17.2"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589658.6
UTM Y (Meters):	4510392.5
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40073-F8 BROOKLYN, NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
HUNT PHILIP A CHEMICAL CORP 47-50 30TH ST LONG ISLAND CITY, NY 11101	RCRA-SQG FINDS	NYD072731730

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

RCRA-TSDF..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
SWTIRE..... Registered Waste Tire Storage & Facility List
SWRCY..... Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
INDIAN RESERV..... Indian Reservations
FUDS..... Formerly Used Defense Sites
UMTRA..... Uranium Mill Tailings Sites
US ENG CONTROLS..... Engineering Controls Sites List
ODI..... Open Dump Inventory
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS..... Hazardous Substance Waste Disposal Site Inventory
AST..... Petroleum Bulk Storage
MOSF AST..... Major Oil Storage Facilities Database
ENG CONTROLS..... Registry of Engineering Controls
AIRS..... Air Emissions Data
SPDES..... State Pollutant Discharge Elimination System

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
US INST CONTROL..... Sites with Institutional Controls
Brownfields..... Brownfields Site List
INST CONTROL..... Registry of Institutional Controls

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/29/2005 has revealed that there are 4 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ACTIVE STEEL DRUM CO INC	*52-30 34TH ST*	*1/4 - 1/2 SSE*	*90*	*143*
QUANTA RESOURCES CORP	*37-80 REVIEW AVE*	*1/2 - 1 S*	*AB117*	*183*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
ACCURATE ASSOCIATES	*5-36 46TH RD*	*1/2 - 1 WNW*	*120*	*191*
KOSAN INDUSTRIAL CORP	*5-49 49TH AVE*	*1/2 - 1 W*	*122*	*194*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 05/20/2005 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
JACMEL JEWELRY INC	*30-00 47TH AVE*	*1/8 - 1/4 N*	*F25*	*35*
SIRMOS, INC.	*47-07 30TH PL*	*1/8 - 1/4 NNE*	*G29*	*37*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
CONFORT & COMPANY	*47-47 AUSTELL PLACE*	*1/8 - 1/4 WNW*	*K44*	*53*

EXECUTIVE SUMMARY

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 05/20/2005 has revealed that there are 34 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
OFFICE FURNITURE SVCS	*47-44 31ST ST*	*0 - 1/8 ENE*	*E21*	*33*
HELMSLEY SPEAR INC	*47-44 31ST ST*	*0 - 1/8 ENE*	*E22*	*33*
SMITH & WATSON INC	47-44 31ST ST	0 - 1/8 ENE	E23	34
ENTERON GROUP LLC DIBA MASTER	*3000 47TH AVE - GROUND*	*1/8 - 1/4 N*	*F24*	*34*
JARNOW CORP	*30-00 47TH AVE - 6TH FL*	*1/8 - 1/4 N*	*F26*	*35*
CENTURY DIRECT	*30-00 47TH AVE 3RD FLOO*	*1/8 - 1/4 N*	*F27*	*36*
PHOENIX COLOR CORP	*47-07 30 PL*	*1/8 - 1/4 NNE*	*G28*	*36*
C F G AGSCB FALCHI LLC	*31-00 47TH AVE 3RD & 4T*	*1/8 - 1/4 ENE*	*31*	*42*
WHITE & WHITE	*47-02 31ST PL*	*1/8 - 1/4 E*	*H34*	*44*
ANCHOR ENGRAVING CO INC	*31-00 47TH AVE*	*1/8 - 1/4 NE*	*I36*	*47*
SCHICK TECHNOLOGIES INC	*31-00 47TH ST 5TH FLOOR*	*1/8 - 1/4 NE*	*I37*	*47*
S G G JEWELRY INC	*31-00 47TH AVE 5TH FLOO*	*1/8 - 1/4 NE*	*I39*	*49*
O T C MANUFACTURING & DIST INC	*31-00 47TH AVE 5TH FLOO*	*1/8 - 1/4 NE*	*I40*	*49*
LINEAR LIGHTING CORP	*31-30 HUNTERSPOINT AVE*	*1/8 - 1/4 SE*	*41*	*50*
SUBACCHI FURNITURE	*46-24 28TH ST*	*1/8 - 1/4 NNW*	*42*	*51*
MICHELANGELO SCULPTURE	*27-01 47TH AVE*	*1/8 - 1/4 NW*	*J45*	*58*
RAD OIL CORP - ATLANTIC S S	*48-02 VAN DAM ST*	*1/8 - 1/4 E*	*L47*	*77*
CON EDISON - VAN DAM ELECTRIC	*48-05 VAN DAM ST*	*1/8 - 1/4 E*	*L49*	*79*
CLIPPER DIAMOND TOOL CO INC	*47-16 AUSTELL PL - 3RD*	*1/8 - 1/4 WNW*	*K50*	*79*
FEDERAL EXPRESS	*47-50 VAN DAM STREET*	*1/8 - 1/4 E*	*O54*	*83*
QUALITY HOUSE OF GRAPHICS	*47-47 VAN DAM ST*	*1/8 - 1/4 E*	*O55*	*84*
27-11 49TH AVENUE REALTY LLC	*27-11 49TH AVE*	*1/8 - 1/4 W*	*Q60*	*89*
WARNER LAMBERT CO	*30-30 THOMPSON AVE*	*1/8 - 1/4 NNE*	*63*	*99*
UNITED PARCEL SERVICE INCORPOR	*49-10 27TH STREET*	*1/8 - 1/4 W*	*Q64*	*100*
PUBLIC SERVICE TRUCK RENTING	*25-61 49TH AVE*	*1/8 - 1/4 W*	*Q72*	*116*
COLAHAN SAUNDERS	*47-01 VAN DAM ST*	*1/8 - 1/4 ENE*	*S73*	*118*
GETTY PETROLEUM CORP	*4925 VAN DAM STREET*	*1/8 - 1/4 SE*	*V78*	*123*

Lower Elevation	Address	Dist / Dir	Map ID	Page
THYPIN STEEL BUILDING FORMER	49-49 30TH ST	0 - 1/8 S	A7	16
NEW YORK ENVELOPE CORPORATION	*29-10 HUNTERS POINT AVE*	*0 - 1/8 WSW*	*D17*	*29*
METRO MACHINING & FABRICATING	*47-24 27TH STREET*	*1/8 - 1/4 NW*	*35*	*46*
WALDES TRUARC INCORPORATED	*29-01 BORDEN AVENUE*	*1/8 - 1/4 SW*	*P56*	*85*
WARNER LAMBERT COMPANY	*2901 BORDEN AVENUE*	*1/8 - 1/4 SW*	*P58*	*87*
NYSDOT CONTRACT 253037	*29-00 BORDEN AVE*	*1/8 - 1/4 SSW*	*69*	*113*
IKG INDUSTRIES	*50-09 27TH STREET*	*1/8 - 1/4 WSW*	*U76*	*121*

EXECUTIVE SUMMARY

STATE ASTM STANDARD

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, has revealed that there are 5 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ROEHR CHEMICALS INC	***52-20 37TH ST***	***1/4 - 1/2 SSE***	***114***	***169***
QUANTA RESOURCES	37-80 REVIEW AVENUE	1/2 - 1 S	AB116	181
AMTRAK SUNNYSIDE YARD	***39-29 HONEYWELL ST***	***1/2 - 1 NNE***	***119***	***186***
STANDARD MOTOR PRODUCTS, INC.	***37-18 NORTHERN BOULEVAR***	***1/2 - 1 NE***	***123***	***196***
PHELPS DODGE REFINING CORPORAT	42-02 56TH ROAD	1/2 - 1 SSE	124	199

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LORI CONTRACTING PROCESSING FA	35-15 GALE AVENUE	1/4 - 1/2 SE	100	155

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 05/02/2005 has revealed that there are 41 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ABCO SUPPLY	49-70 31ST ST	1/8 - 1/4 SSE	N53	82
GREEN SERVICE STA	49001 VAN DAM	1/8 - 1/4 SE	R65	101
4901 VAN DAM ST/MOBIL	4901 VAN DAM ST/MOBIL	1/8 - 1/4 SE	R66	103
49-25 VAN DAMM STREET	49-25 VAN DAMM STREET	1/8 - 1/4 SE	R70	114
47-22 PEARSON PL/QUEENS	***47-22 PEARSON PLACE***	***1/4 - 1/2 WNW***	***W80***	***132***
ON SIDEWALK	47-15 PEARSON PL	1/4 - 1/2 WNW	W81	134
49-01 VAN DAM STREET	49001 VAN DAM STREET	1/4 - 1/2 SE	82	134
LAGUARDIA COMM COLLEGE	31-10 THOMSON AV	1/4 - 1/2 NE	84	137
33-02 48TH AVE.	33-02 48TH AVE.	1/4 - 1/2 E	X85	137
RED WALLET COMPANY	48-14 33RD STREET	1/4 - 1/2 ESE	X86	138
32-32 QUEENS BLVD/SUNOCO	32032 QUEENS BLVD	1/4 - 1/2 NE	87	140
VANDAM ST + L.I.E.	VANDAM ST + L.I.E.	1/4 - 1/2 SSE	88	141
FACTORY (UNKNOWN NAME)	33-20 HUNTERS POINT AVE	1/4 - 1/2 ESE	89	142
33-17 47TH AVE/QUEENS	33017 47TH AVENUE	1/4 - 1/2 ENE	91	145
CONSOLIDATD LAUNDRY - LIC	48-09 34TH STREET	1/4 - 1/2 E	92	146
34-51 48TH ST/QUEENS	34051 48TH STREET	1/4 - 1/2 ESE	93	147
GETTY #344	***31-05 QUEENS BLVD***	***1/4 - 1/2 NNE***	***94***	***149***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	25-19 BORDEN AV	1/4 - 1/2 WSW	Y95	150
32-32 QUEENS BLVD	32-32 QUEENS BLVD	1/4 - 1/2 ENE	96	151
DOT FACILITY	34-02 QUEENS BLVD.	1/4 - 1/2 ENE	98	154
EMPORIA	53-26 VANDAM ST	1/4 - 1/2 S	99	154
3200 SKILMAN AVE.	3200 SKILMAN AVE.	1/4 - 1/2 NE	Z102	156
Not reported	32-00 SKILLMAN AVE	1/4 - 1/2 NE	Z103	157
35TH ST & HUNTERS PT AVE	35TH ST / HUNTERS PT	1/4 - 1/2 ESE	104	158
43-41 32ND PLACE	43-41 32ND PLACE	1/4 - 1/2 NE	105	159
53-26 VAN DAM ST/QUEENS	53026 VAN DAM STREET	1/4 - 1/2 S	106	160
Not reported	23-30 50TH AVE	1/4 - 1/2 W	107	162
47-36 36TH STREET	***47-36 36TH STREET***	***1/4 - 1/2 E***	***108***	***162***
Not reported	47-09 36TH ST	1/4 - 1/2 E	109	164
ON THE STREET	2821 JACKSON AVE	1/4 - 1/2 N	111	165
OUTLET CITY	***42-16 WEST STREET***	***1/4 - 1/2 N***	***AA112***	***165***
OUTLET CITY INCORPORATED	***42-16 WEST STREET***	***1/4 - 1/2 N***	***AA113***	***166***
ROEHR CHEMICALS INC	***52-20 37TH ST***	***1/4 - 1/2 SSE***	***114***	***169***
ST RAPHAEL CHURCH	35-20 GREEN PT AVE	1/4 - 1/2 SE	115	180

Lower Elevation	Address	Dist / Dir	Map ID	Page
4949 30TH STREET	***4949 30TH STREET***	***0 - 1/8 S***	***B9***	***18***
JOMEIRA REALITY	47-20 30TH ST	0 - 1/8 N	C12	24
47-20 30TH ST	47-20 30TH ST	0 - 1/8 N	C13	24
NY ENVELOPE	2910 HUNTERS POINT AV	0 - 1/8 WSW	D19	31
Not reported	26-32 SKILLMAN AVE	1/8 - 1/4 NW	T74	119
20-90 REVIEW AVENUE	20090 REVIEW AVENUE	1/4 - 1/2 SSW	83	135
MONTAUK STEEL	***2520 BORDEN AVE***	***1/4 - 1/2 WSW***	***Y97***	***152***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 24 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
30-40 48TH AVE	30-40 48TH AVE	0 - 1/8 E	3	7
49-29 30TH PLACE REALTY, LLC.	49-29 30TH PLACE	0 - 1/8 SSE	8	16
BUSHWICK IRON & STEEL CO INC	49-47 31ST STREET	1/8 - 1/4 SE	30	39
GIMBELS L I C WAREHOUSE	47-02 31ST PLACE	1/8 - 1/4 E	H33	43
31-00 47TH AVENUE	31-00 47TH AVENUE	1/8 - 1/4 NE	I38	48
BULL CONSULTING INC D/B/A SHEL	***48-02 VAN DAM ST***	***1/8 - 1/4 E***	***L46***	***59***
48-05 VAN DAM ST	48-05 VANDAM STREET	1/8 - 1/4 E	L48	78
ADS METAL PRODUCTS CO INC	48-31 VANDAM STREET	1/8 - 1/4 ESE	M51	80
NATIONAL BRAID MANUFACTURING C	48-34 VANDAM STREET	1/8 - 1/4 ESE	M52	81
FEDERAL EXPRESS	***47-50 VAN DAM STREET***	***1/8 - 1/4 E***	***O54***	***83***
HONEY FASHIONS, LTD.	27-11 49TH AVE	1/8 - 1/4 W	Q59	88
BLACK BEAR COMPANY	27-10 49TH AVENUE	1/8 - 1/4 W	Q61	90
BLACK BEAR COMPANY	27-10 HUNTERS POINT BOU	1/8 - 1/4 W	Q62	95
LIC SERVICE STATION	49-01 VANDAM STREET	1/8 - 1/4 SE	R67	104
JULES GOTTLIEB & G. MONCHER	ABCO REFRIGERATION SUPP	1/8 - 1/4 SSE	N68	112
QUEENSBORO CORRECTIONAL FCLITY	47-04 VANDAM STREET	1/8 - 1/4 ENE	S71	115
PUBLIC SERVICE TRUCK RENTING	***25-61 49TH AVE***	***1/8 - 1/4 W***	***Q72***	***116***
SATT REALTY CORP.	26-32 SKILLMAN AVENUE	1/8 - 1/4 NW	T75	119

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GETTY # 00219	49-25 VAN DAM STREET	1/8 - 1/4 SE	V79	124

Lower Elevation	Address	Dist / Dir	Map ID	Page
THYPIN STEEL CO INC	***49-49 30TH STREET***	***0 - 1/8 S***	***A6***	***11***
I G FEDERAL ELECTRICAL SUPPLY	47-20 30TH ST	0 - 1/8 NNE	C14	25
29-10 HUNTERS POINT AVE	29-10 HUNTERS POINT AVE	0 - 1/8 WSW	D20	32
29-01 BORDEN AVE	29-01 BORDEN AVE	1/8 - 1/4 SW	P57	85
PATENT CONSTRUCTION SYSTEMS	50-09 27TH STREET	1/8 - 1/4 WSW	U77	122

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

A review of the VCP list, as provided by EDR, and dated 12/17/2004 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FORMERLY ACCO BRANDS, INC.	32-00 SKILLMAN AVENUE	1/4 - 1/2 NE	Z101	156
OUTLET CITY, QUEENS BLVD. & JA	QUEENS BLVD. / JACKSO	1/4 - 1/2 N	110	165

STATE OR LOCAL ASTM SUPPLEMENTAL

CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 CBS AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
ANTHONY CONCRETE	47-17 27TH ST.	1/8 - 1/4 NW	J43	51

SPILLS: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/02/2005 has revealed that there are 10 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
30-15 48TH AVE	30-15 48TH AVE	0 - 1/8 ESE	2	6
HUNTERS POINT AV BRIDGE	49TH AV / 29TH ST	0 - 1/8 SSW	A4	9
2903 HUNTER AVE	2903 HUNTER AVE	0 - 1/8 SW	11	22
Not reported	31ST STREET / 48TH AV	0 - 1/8 E	15	26

Lower Elevation	Address	Dist / Dir	Map ID	Page
HUNTER'S POINT AVE. & 30T	HUNTER'S POINT / 30TH	0 - 1/8 S	A5	10

Lower Elevation	Address	Dist / Dir	Map ID	Page
THYPIN STEEL CO INC	***49-49 30TH STREET***	***0 - 1/8 S***	***A6***	***11***
4949 30TH STREET	***4949 30TH STREET***	***0 - 1/8 S***	***B9***	***18***
Not reported	49-49 30TH ST	0 - 1/8 S	B10	21
NATIONAL ENVELOPE	2910 HUNTER POINT AV	0 - 1/8 WSW	D16	28
NY ENVELOPE CORP	29-10 HUNTERSPOINT AVE.	0 - 1/8 WSW	D18	30

DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 05/16/2005 has revealed that there are 2 DEL SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOBIL OIL BROOKLYN TERMINAL	300 NORTH HENRY STREET	1/2 - 1 SSW	121	192

Lower Elevation	Address	Dist / Dir	Map ID	Page
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	1/2 - 1 SSW	118	184

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUN CLEANERS/WHITE & WHITE	47-02 31ST PL.	1/8 - 1/4 E	H32	43

BROWNFIELDS DATABASES

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

A review of the VCP list, as provided by EDR, and dated 12/17/2004 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FORMERLY ACCO BRANDS, INC.	32-00 SKILLMAN AVENUE	1/4 - 1/2 NE	Z101	156
OUTLET CITY, QUEENS BLVD. & JA	QUEENS BLVD. / JACKSO	1/4 - 1/2 N	110	165

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
EVANS CONTAINER CORP.	SWF/LF
11-08 30TH AVE/RAY'S BUS	LTANKS
QUEENS MIDTOWN TUNNEL	LTANKS, NY Spills
5-35 54TH STREET	LTANKS
MTA NYCT QUEENS BLVD PLAZA STATION	RCRA-SQG, FINDS
CON EDISON - GM 11101	RCRA-SQG
CON ED - V 1617	RCRA-SQG
QUEENS WEST DEVELOPMENT CORP	RCRA-SQG, FINDS
CON EDISON - VS 3441	RCRA-SQG
V1876	RCRA-SQG
VS5039	RCRA-SQG
MTA NYCT - ASTORIA LINE BENTS 135-	FINDS, RCRA-LQG
NYSDOT BRIDGE BIN 107701A	RCRA-LQG
LAUNDROMAT	NY Spills
11TH ST & 47TH AVE	NY Spills
RAILROAD TRACKS	NY Spills
ASTORIA COMPLEX	NY Spills
21ST STREET SUB-STATION	NY Spills
MANHOLE 19531	NY Spills
27TH ST	NY Spills
29TH ST & GREENPOINT AVE	NY Spills
MANHOLE #1593	NY Spills
47TH RD W/O 5TH ST	NY Spills
ZYLOWARE	NY Spills
EAST RIVER	NY Spills
59TH STREET BRIDGE	NY Spills
ACROSS FROM E. 42ND STREE	NY Spills
11-09 BORDEN AVE	NY Spills
BORDEN AVENUE	NY Spills
BORDEN AVE CROSSING	NY Spills
BORDEN AVE/LIRR PAS YARD	NY Spills
BORDEN AVE /LIC PASS YARD	NY Spills
LONG ISLAND CITY RAILYARD	NY Spills
LONG ISLAND RR YARD	NY Spills
BORDEN AVE/LIRR PASS YARD	NY Spills
LIC PASSENGER YD/BORDEN A	NY Spills
LIRR/HUNTERS PT STATION	NY Spills
GANTRY STATE PARK	NY Spills
23-64 27TH STREET	NY Spills
36-28 14TH STREET	NY Spills
QUEENS WEST (HUNTER'S POINT) PARCS	VCP

OVERVIEW MAP - 1465344.2s - Whitestone Associates, Inc.

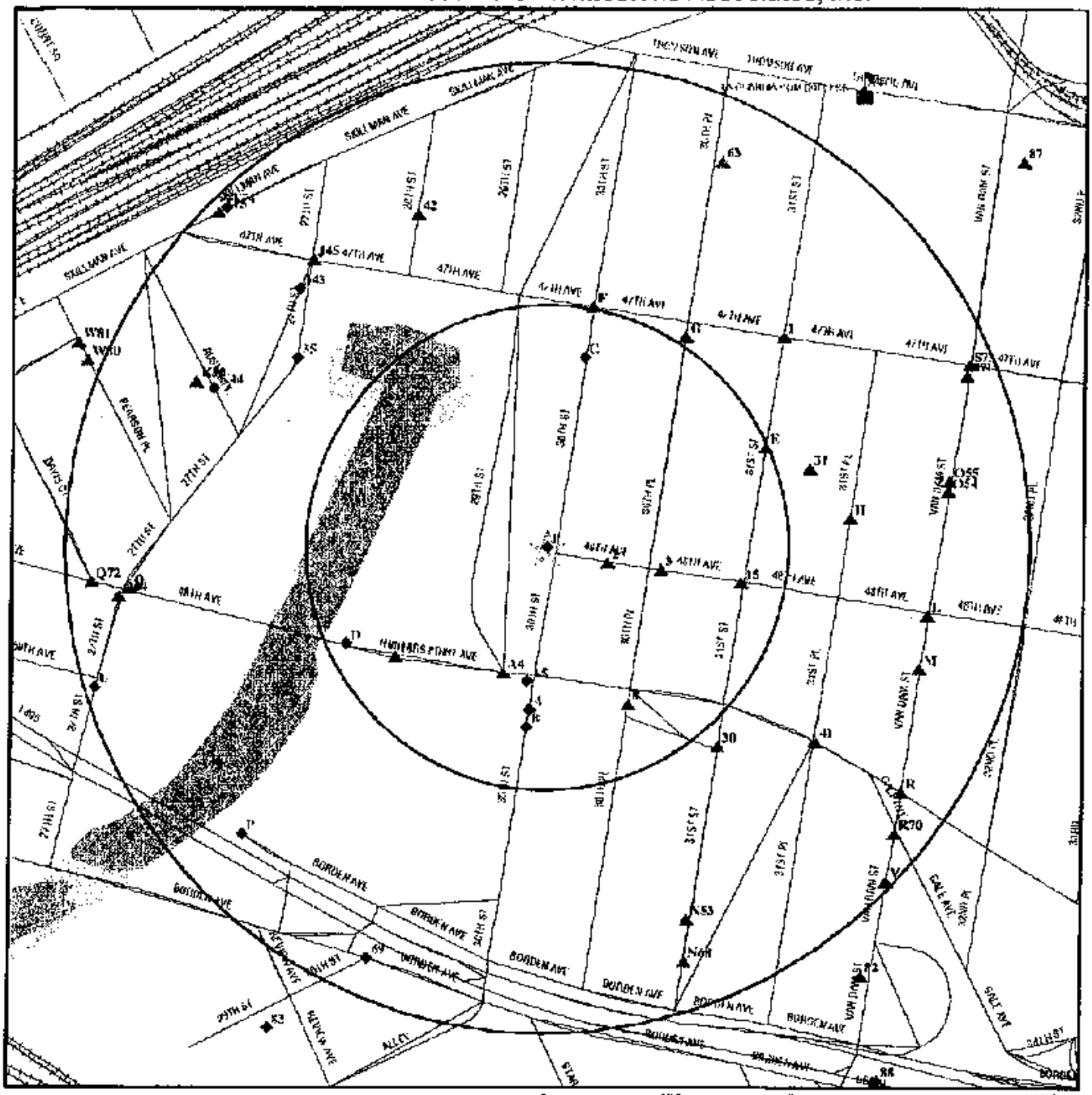


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

TARGET PROPERTY:	Milton Paper Company	CUSTOMER:	Whitestone Associates, Inc.
ADDRESS:	47-50 30th Street	CONTACT:	Vicki Ryback
CITY/STATE/ZIP:	Long Island City NY 11101	INQUIRY #:	1465344.2s
LAT/LONG:	40.7415 / 73.9381	DATE:	July 13, 2005 8:20 pm

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DETAIL MAP - 1465344.2s - Whitestone Associates, Inc.



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- Federal Wetlands
- State Wetlands

TARGET PROPERTY:	Milton Paper Company	CUSTOMER:	Whitestone Associates, Inc.
ADDRESS:	47-50 30th Street	CONTACT:	Vicki Ryback
CITY/STATE/ZIP:	Long Island City NY 11101	INQUIRY #:	1465344.2s
LAT/LONG:	40.7415 / 73.9381	DATE:	July 13, 2005 8:20 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	1	3	NR	4
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	3	NR	NR	NR	3
RCRA Sm. Quan. Gen.	X	0.250	5	29	NR	NR	NR	34
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	0	0	1	4	NR	5
State Landfill		0.500	0	0	1	NR	NR	1
LTANKS		0.500	4	5	32	NR	NR	41
UST		0.250	5	19	NR	NR	NR	24
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	2	NR	NR	2
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	1	NR	NR	NR	1
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.125	10	NR	NR	NR	NR	10
DEL SHWS		1.000	0	0	0	2	NR	2
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
ENG CONTROLS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	2	NR	NR	2
INST CONTROL		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1
Target Property
HUNT PHILIP A CHEMICAL CORP
47-50 30TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000393418
FINDS NYD072731730

Actual: 12 ft.

RCRAInfo:
Owner: HUNT PHILIP A CHEMICAL CORP
(201) 944-4000
EPA ID: NYD072731730

Contact: ROBERT BENDER
(718) 361-9500

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

2
ESE
< 1/8
172 ft.
30-15 48TH AVE
30-15 48TH AVE
LONG ISLAND CITY, NY

NY Spills S102238657
N/A

Relative: Higher

Actual: 14 ft.

SPILLS:

Spill Number: 9512395
Spill Date: 01/04/96
ID: 226514
Date Call Received: 01/04/96
Region Close Date : 01/04/96
Material Spilled: #2 FUEL OIL
Water Affected: Not reported
Spill Cause: Equipment Failure
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: / /
Amount Spilled: 60 Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Resource Affected: On Land
Tank Size : Not reported
Leak Rate: Not reported

Spill Number: 9512395
Spill Date: 01/04/1996 08:00
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported
Water Affected: Not reported
Spill Cause: Equipment Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: MULQUEEN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: 01/04/96 13:40
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Resource Affected: On Land
Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

30-15 48TH AVE (Continued) **S102238657**

Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: OWNER AT
Spiller Address: 30-15 48TH AVE
LONG ISLAND CITY
DEC Remarks : REFERRED TO ECS
Remark: empty warehouse - oil line broke - spillled oil into boiler rm it is being clean up but some oil may have gone into sewer
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 60
Units: Gallons
Unknown Qty Spilled: 60
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: 01/04/96
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 02/05/96
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/04/96
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

---

3 **30-40 48TH AVE** **UST** **U001831930**
East **30-40 48TH AVE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
319 ft.

Relative:
Higher

Actual:
15 ft.

PBS UST:
PBS Number: 2-082120 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6301
Operator: NEW YORK ENVELOPE CORP
(718) 786-0300
Emergency Contact: ROBERT HEYM
(516) 671-8734
Total Tanks: 0
Owner: WILLIAM UNGAR & A MOSER

30-40 48TH AVE (Continued) **U001831930**

50 BROADWAY-MOSER & MOSER
NEW YORK, NY 10004
(212) 344-4200

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WILLIAM UNGAR & A MOSER 50 BROADWAY-MOSER & MOSER NEW YORK, NY 10004 (212) 344-4200		
Tank Status:	Closed - In Place		
Capacity (gals):	4500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	Not reported
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	VAULT		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	02/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/27/1992
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-082120	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	NEW YORK ENVELOPE CORP (718) 786-0300		
Emergency Contact:	ROBERT HEYM (516) 671-8734		
Total Tanks:	0		
Owner:	WILLIAM UNGAR & A MOSER 50 BROADWAY-MOSER & MOSER NEW YORK, NY 10004 (212) 344-4200		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WILLIAM UNGAR & A MOSER		

30-40 48TH AVE (Continued) **U001831930**

50 BROADWAY-MOSER & MOSER
NEW YORK, NY 10004
(212) 344-4200

Tank Status:	Closed - In Place		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	Not reported
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	VAULT		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	02/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/27/1992
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

A4 **HUNTERS POINT AV BRIDGE** **NY Spills** **S106015598**
SSW **49TH AV / 29TH ST** **N/A**
< 1/8 **QUEENS, NY**
360 ft.

Site 1 of 4 in cluster A

Relative:
Equal

SPILLS:

Spill Number:	0303368	Region of Spill:	2
Actual: Spill Date:	06/30/03	Reported to Dept:	/ /
13 ft. ID:	19383		
Date Call Received:	06/30/03		
Region Close Date :	06/30/03		
Material Spilled:	UNKNOWN MATERIAL	Amount Spilled:	Unknown Gal.
Water Affected:	Not reported	Spill Source:	UNKNOWN
Spill Cause:	Unknown	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

A5 **HUNTER'S POINT AVE. & 30T** **NY Spills** **S102671163**
South **HUNTER'S POINT / 30TH ST.** **N/A**
< 1/8 **LONG ISLAND CITY, NY**
368 ft.

Site 2 of 4 in cluster A

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number:	8700459	Region of Spill:	2
Spill Date:	03/25/87	Reported to Dept:	/ /
ID:	107427		
Date Call Received:	04/15/87		
Region Close Date :	04/15/87		
Material Spilled:	RAW SEWAGE	Amount Spilled:	0 lbs.
Water Affected:	NEWTOWN CREEK	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Spill Cause:	Other	Resource Affected:	Surface Water
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	8700459	Region of Spill:	2
Spill Date:	03/25/1987	Reported to Dept:	04/15/87 15:58
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	NEWTOWN CREEK	Spill Source:	Other Non Commercial/Industrial
Spill Cause:	Other	Resource Affected:	Surface Water
Water Affected:	NEWTOWN CREEK	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	NYCDEP		
Spiller Address:	Not reported		
DEC Remarks :	Not reported		
Remark:	PRESSURE BLOCKAGE.		
Spill Class:	Not reported		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	3
Quantity Spilled:	0
Units:	Not reported
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	RAW SEWAGE
Class Type:	Non Pet/Non Haz
Chem Abstract Service Number:	RAW SEWAGE
Last Date:	07/28/1994
Num Times Material Entry In File:	1993

HUNTER'S POINT AVE. & 30T (Continued) **S102671163**

Spill Closed Dt: 04/15/87
Spill Notifier: Responsible Party
Cleanup Ceased: 04/15/87
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/22/87
Date Region Sent Summary to Central Office: / /
PBS Number: Not reported
Cleanup Meets Std:True
Enforcement Date: / /
UST Involvement: False

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

A6 **THYPIN STEEL CO INC** **UST U000416651**
South **49-49 30TH STREET** **AST N/A**
< 1/8 **LONG ISLAND CITY, NY 11101** **NY Spills**
443 ft.

Site 3 of 4 in cluster A

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number: 9913622
Spill Date: 03/02/00
ID: 59226
Date Call Received: 03/02/00
Region Close Date : 03/04/03
Material Spilled: DIESEL
Water Affected: Not reported
Spill Cause: Other
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: / /
Amount Spilled: Unknown Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Resource Affected: On Land
Tank Size : Not reported
Leak Rate: Not reported

Spill Number: 9913622
Spill Date: 03/02/2000 12:00
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported
Water Affected: Not reported
Spill Cause: Other
Water Affected: Not reported
Facility Contact: RICHARD THYPIN
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: RICHARD THYPIN
Spiller: THYPIN STEEL FACILITY
Spiller Address: 4949 30TH AVE
LONG ISLAND CITY, NY
DEC Remarks : Not reported
Remark: Not reported
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party.
Region of Spill: 2
Reported to Dept: 03/02/00 16:11
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Resource Affected: On Land
Spill Source: Other Commercial/Industrial
Facility Tele: (609) 497-0796
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (609) 497-0796

THYPIN STEEL CO INC (Continued) **U000416651**

Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625

Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 03/03/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/02/00
Date Region Sent Summary to Central Office: / /

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

PBS UST:
PBS Number: 2-116211
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6301
Operator: THYPIN STEEL CO INC
(718) 937-2700
Emergency Contact: GARY GOLDIN
(718) 967-3780
Total Tanks: 1
Owner: MANHASSET BAY ASSOC
C/O THYPIN STEEL CO. 49-49 30TH STREET
LONG ISLAND CITY, NY 11101
(718) 937-2700
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: MANHASSET BAY ASSOC
C/O THYPIN STEEL CO
49-49 30TH STREET
LONG ISLAND CITY, NY 11101
(718) 937-2700
Tank Status: Closed - Removed

THYPIN STEEL CO INC (Continued) **U000416651**

Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1980
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	OTHER		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	04/01/1990	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	11/13/2001
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-116211	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	THYPIN STEEL CO INC (718) 937-2700		
Emergency Contact:	GARY GOLDIN (718) 967-3780		
Total Tanks:	1		
Owner:	MANHASSET BAY ASSOC C/O THYPIN STEEL CO. 49-49 30TH STREET LONG ISLAND CITY, NY 11101 (718) 937-2700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	MANHASSET BAY ASSOC C/O THYPIN STEEL CO 49-49 30TH STREET LONG ISLAND CITY, NY 11101 (718) 937-2700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1980
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON

THYPIN STEEL CO INC (Continued) U000416651

Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	OTHER		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	04/01/1990	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	11/13/2001
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS Number:	2-116211	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	THYPIN STEEL CO INC (718) 937-2700		
Emergency Contact:	GARY GOLDIN (718) 967-3780		
Total Tanks:	1		
Owner:	MANHASSET BAY ASSOC C/O THYPIN STEEL CO. 49-49 30TH STREET LONG ISLAND CITY, NY 11101 (718) 937-2700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	MANHASSET BAY ASSOC C/O THYPIN STEEL CO 49-49 30TH STREET LONG ISLAND CITY, NY 11101 (718) 937-2700		
Tank Status:	Closed - In Place		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1975
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	OTHER		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction

THYPIN STEEL CO INC (Continued) **U000416651**

Date Tested:	10/01/1996	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	USTest 2000
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	11/13/2001
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS AST:

PBS Number:	2-116211	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	MANHASSET BAY ASSOC C/O THYPIN STEEL CO. 49-49 30TH STREET LONG ISLAND CITY, NY 11101		
Owner Phone:	(718) 937-2700		
Facility Phone:	(718) 937-2700		
Operator:	THYPIN STEEL CO INC		
Emergency Name:	GARY GOLDIN		
Emergency Phone:	(718) 967-3780		
Total Tanks:	1		
Total Capacity:	2000		
Tank ID:	004		
Capacity (Gal):	2000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/JACKETED		
Tank Containment:	NONE/NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	Vent Whistle		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False

THYPIN STEEL CO INC (Continued) **U000416651**

Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	MANHASSET BAY ASSOC		
Mailing Address:	C/O THYPIN STEEL CO 49-49 30TH STREET LONG ISLAND CITY, NY 11101		
Mailing Contact:	Not reported		
Mailing Telephone:	(718) 937-2700		
Owner Mark:	First Owner	Expiration Date:	03/24/2002
Certification Flag:	False	Certification Date:	/ /
Renew Flag:	False	Renew Date:	11/13/2001
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

A7 **THYPIN STEEL BUILDING FORMER** **RCRA-SQG** **1007208650**
South **49-49 30TH ST** **NYR000121863**
< 1/8 **LONG ISLAND CITY, NY 11101**
443 ft.

Site 4 of 4 in cluster A

Relative:
Lower

RCRAInfo:

Owner:	MBA-LONG ISLAND CITY LLC (212) 555-1212
EPA ID:	NYR000121863
Contact:	RICHARD THYPIN (609) 497-0796
Classification:	Conditionally Exempt Small Quantity Generator
TSDF Activities:	Not reported

Actual:
12 ft.

Violation Status: No violations found

---

8 **49-29 30TH PLACE REALTY, LLC.** **UST** **U001840301**
SSE **49-29 30TH PLACE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
483 ft.

Relative:
Equal

PBS UST:

PBS Number:	2-456764	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KENNY KANAREK (718) 391-0305		
Emergency Contact:	KENNY KANAREK (718) 788-2050		
Total Tanks:	1		
Owner:	49-29 30TH PLACE REALTY LLC. 49-29 30TH PLACE LONG ISLAND CITY, NY 11101 (718) 788-2050		
Owner Type:	Corporate/Commercial		

Actual:
13 ft.

49-29 30TH PLACE REALTY, LLC. (Continued) U001840301

Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	EXECUTIVE TRADING CO. ATTN: YORAM LEVIN P.O. BOX 320-165 BROOKLYN, NY 11232 (718) 788-2050		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE/PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	03/01/1998	Next Test Date:	03/01/2003
Date Closed:	Not reported	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/30/1999
Old PBS Number:	Not reported	Expiration Date:	08/25/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	DUANE READE		
Emergency:	JOSEPH DWECK		
Emergency Tel:	(718) 253-6456	Old PBSNO:	Not reported
Facility Type:	OTHER		
Facility Owner:	DUANE READE WAREHOUSE		
Facility Address:	49-29 30TH PLACE 49029 30TH PLACE LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2731721
Owner:	DUANE READE		
Owner Tel:	(718) 784-8503	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	DUANE READE 49-29 30TH PLACE LONG ISLAND CITY, NY 11101 Not reported (718) 784-8503		

49-29 30TH PLACE REALTY, LLC. (Continued) **U001840301**

Owner Mark:	First Owner		
Certify Date:	12/06/1998	Expiration:	12/06/1998
Total Capacity (Gal):	10000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 784-8503		
Num of Active Tanks :	1		
Facility Owner:	DUANE READE		
Facility Address:	49-29 30TH PLACE		
	LONG ISLAND CITY, NY 11101		
Owner Phone:	(718) 784-8503		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	08/25/1999		
Facility Record Updated:	True		

B9 **4949 30TH STREET** **LTANKS S102150356**
South **4949 30TH STREET** **NY Spills N/A**
< 1/8 **LONG ISLAND CITY, NY**
491 ft.

Site 1 of 2 in cluster B

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number:	9607319	Region of Spill:	2
Spill Date:	09/10/96	Reported to Dept:	/ /
ID:	238246		
Date Call Received:	09/10/96		
Region Close Date :	09/16/96		
Material Spilled:	DIESEL	Amount Spilled:	15 Gal.
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Spill Cause:	Human Error	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9607319	Region of Spill:	2
Spill Date:	09/10/1996 10:45	Reported to Dept:	09/10/96 11:39
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	Private Dwelling
Spill Cause:	Human Error	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Private Dwelling
Facility Contact:	CALLER	Facility Tele:	(718) 852-7000
Investigator:	LUCE	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	THYPIN STEEL INC.	Spiller Phone:	(718) 706-4557
Spiller:	WHALECO FUEL OIL		
Spiller Address:	1 COFFEY STREET		

4949 30TH STREET (Continued) **S102150356**

BROOKLYN, NY 11231
DEC Remarks : 4KXUG FOR TRUCKS - NOT SURE OF CAUSE - CLEAN UP CREW ON SITE - WILL CALL BACK WITH CAUSE - 09/12/96 - LAPORE SAID THE PAROMETER IS NOT BREAKING - 09/16/96 - THE GAUGE WA SREPLACED - THE SPILL WAS CLEANED UP.
Remark: tank overfill.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 15
Units: Gallons
Unknown Qty Spilled: 15
Quantity Recovered: 15
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: 09/16/96
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Record Last Update: 09/24/96
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/10/96
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9312128
Region of Spill: 2
Spill Date: 01/14/1994 12:00
Reported to Dept: 01/14/94 14:50
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: CAMMISA
SWIS: 63
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported

4949 30TH STREET (Continued) **S102150356**

PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: WHALECO FUEL OIL
Spiller Address: 1 COFFEY ST.
BROOKLYN, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/14/94
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: 01/14/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/18/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 5
Units: Gallons
Unknown Qty Spilled: 5
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: WILL SEND AT SOMEONE W/ SPEEDY DRY.

Spill Number: 9312128 Region of Spill: 2
Spill Date: 01/14/94 Reported to Dept: / /
ID: 193694 Date Call Received: 01/14/94
Material Spilled: #2 FUEL OIL Amount Spilled: 5 Gal.
Region Close Dt: 01/14/94
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affectd: On Land
Spill Cause: Tank Overfill
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported
PBS: Not reported

B10 **NY Spills** **S104648013**
South **49-49 30TH ST** **N/A**
< 1/8 **QUEENS, NY**
491 ft.

Site 2 of 2 in cluster B

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number: 9808787 | Region of Spill: 2
Spill Date: 10/15/98 08:10 | Reported to Dept: 10/15/98 08:10
ID: 267515
Date Call Received: 10/15/98
Region Close Date : 10/22/99
Material Spilled: Diesel | Amount Spilled: 0 Gal.
Water Affected: Not reported | Spill Source: UNKNOWN
Spill Cause: Unknown | Resource Affected: Soil
Tank Number: Not reported | Tank Size : Not reported
Test Method: Not reported | Leak Rate: Not reported

Spill Number: 9808787 | Region of Spill: 2
Spill Date: 10/15/1998 08:30 | Reported to Dept: 10/15/98 08:55
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported | Amount Spilled: Not reported
Water Affected: Not reported | Spill Source: Unknown
Spill Cause: Unknown | Resource Affected: On Land
Water Affected: Not reported | Spill Source: Unknown
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: SANGESLAND | SWIS: 63
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: CALLER RECEIVED CALL FROM A CITIZEN STATING AN UNKNOWN SPILL ONTO STREET. THEY REFUSED TO GIVE ANY FURTHER INFORMATION.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL

(Continued) **S104648013**

Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: 10/22/99
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 10/25/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/15/98
Date Region Sent Summary to Central Office: / /
PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

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11
SW
< 1/8
508 ft.

2903 HUNTER AVE
2903 HUNTER AVE
LONG ISLAND CITY, NY

NY Spills S102146381
N/A

Relative:
Higher

Actual:
14 ft.

SPILLS:

Spill Number: 9300670
Spill Date: 04/14/93
ID: 182222
Date Call Received: 04/14/93
Region Close Date : 04/14/93
Material Spilled: UNKNOWN PETROLEUM PAINT
Water Affected: FLUSHING BAY
Spill Cause: Housekeeping
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: / /
Amount Spilled: 0 lbs.
0 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Resource Affected: Surface Water
Tank Size : Not reported
Leak Rate: Not reported

Spill Number: 9300670
Spill Date: 04/14/1993 14:59
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported
Water Affected: FLUSHING BAY
Spill Cause: Housekeeping
Water Affected: FLUSHING BAY
Facility Contact: Not reported
Investigator: CAMMISA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: CALLER WOULD CALL BACK.DEP HAZMAT NOTIFIED.DOT NOTIFIED
Spill Class: Possible release with minimal potential for fire or hazard or Known
Region of Spill: 2
Reported to Dept: 04/14/93 14:59
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Resource Affected: Surface Water
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

2903 HUNTER AVE (Continued) S102146381

release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Material Class Type: 3
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: PAINT
Class Type: Non Pet/Non Haz
Chem Abstract Service Number: PAINT
Last Date: 09/29/1994
Num Times Material Entry In File: 431

Spill Closed Dt: 04/14/93
Spill Notifier: Federal Government
PBS Number: Not reported
Cleanup Ceased: 04/14/93
Last Inspection: / /
Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 07/20/93
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/15/93
Date Region Sent Summary to Central Office: / /

This is the most recent NY SPILLS record for this site.

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C12
North
< 1/8
522 ft.

JOMEIRA REALITY
47-20 30TH ST
LONG ISLAND CITY, NY

LTANKS **S105995090**
N/A

Site 1 of 3 in cluster C

Relative:
Lower

Actual:
12 ft.

LTANKS:

Spill Number:	0110569	Region of Spill:	2
Spill Date:	01/30/02	Reported to Dept:	/ /
ID:	28520	Date Call Received:	02/04/02
Material Spilled:	#2 FUEL OIL	Amount Spilled:	0 Gal.
Region Close Dt:	03/01/02		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	1	Tank Size:	4500
Test Method:	HORNER EZ CHECK	Leak Rate:	0.00
PBS:	Not reported		

C13
North
< 1/8
528 ft.

47-20 30TH ST
47-20 30TH ST
NEW YORK CITY, NY

LTANKS **S100167498**
N/A

Site 2 of 3 in cluster C

Relative:
Lower

Actual:
12 ft.

LTANKS:

Spill Number:	8708435	Region of Spill:	2
Spill Date:	12/31/1987 12:30	Reported to Dept:	12/31/87 13:41
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	BATTISTA	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	UNKNOWN		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	11/02/92		
Spill Notifier:	Tank Tester	PBS Number:	2-303658
Cleanup Ceased:	11/02/92		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	05/12/94		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	02/01/88		
Date Region Sent Summary to Central Office:	/ /		

47-20 30TH ST (Continued) **S100167498**

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: / / : 311 2 0 0 4 2 N.T.R2 2-065153 0014100/00+ @ 31 0 0 2 12/872 2-06 5188 0014103/74+ @ 21 2 0 0 4 212/8712/922 .
Spill Cause: 5K TANK CANNOT MAINTAIN LEVEL IN STANDPIPE, PRODUCT LEVEL BELOW TANK TOP , POSSIBLE PIPE PROBLEM.

Spill Number: 8708435
Spill Date: 12/31/87
ID: 115389
Material Spilled: #2 FUEL OIL
Region Close Dt: 11/02/92
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: UNKNOWN
PBS: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/31/87
Amount Spilled: -1 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: 0
Leak Rate: 0.00

C14 **I G FEDERAL ELECTRICAL SUPPLY** **UST U000401648**
NNE **47-20 30TH ST** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
528 ft.

Site 3 of 3 in cluster C

Relative:
Lower

Actual:
12 ft.

PBS UST:
PBS Number: 2-303658
SPDES Number: Not reported
Operator: I G FEDERAL ELECTRICAL SUPPLY
(718) 729-5700
Emergency Contact: IRA FRIEDMAN
(914) 833-1656
Total Tanks: 1
Owner: JOMEIRA REALTY COMPANY
47-20 30TH ST
LONG ISLAND CITY, NY 11101
(718) 729-5700
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: JOMEIRA REALTY COMPANY
47-20 30TH ST
CBS Number: Not reported
SWIS ID: 6301

I G FEDERAL ELECTRICAL SUPPLY (Continued) **U000401648**

LONG ISLAND CITY, NY 11101
(718) 729-5700

Tank Status:	In Service		
Capacity (gals):	4500		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	12/01/1998	Next Test Date:	12/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4500	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	07/14/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

15
East
< 1/8
540 ft.

Relative:
Higher

Actual:
16 ft.

31ST STREET / 48TH AVENUE **NY Spills** **S104647941**
QUEENS, NY **N/A**

SPILLS:

Spill Number:	9808024	Region of Spill:	2
Spill Date:	09/30/98	Reported to Dept:	/ /
ID:	266640		
Date Call Received:	09/30/98		
Region Close Date :	12/30/02		
Material Spilled:	UNKNOWN PETROLEUM	Amount Spilled:	1 Gal.
Water Affected:	Not reported	Spill Source:	UNKNOWN
Spill Cause:	Unknown	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9808024	Region of Spill:	2
Spill Date:	09/30/1998 12:25	Reported to Dept:	09/30/98 14:43
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	Unknown
Spill Cause:	Unknown	Resource Affected:	On Land

(Continued) S104647941

Water Affected:	Not reported	Spill Source:	Unknown
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	ENGELHARDT	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	UNKNOWN		
Spiller Address:	Not reported		
DEC Remarks :	Not reported		

Remark: MANHOLE 146. ONE OUNCE FOUND IN MANHOLE. SAMPLES TAKEN. TO BE CLEANED UP PENDING TEST RESULTS.

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	1
Units:	Gallons
Unknown Qty Spilled:	Yes
Quantity Recovered:	1
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt:	/ /		
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Dt:	/ /	Enforcement Date:	/ /
Invstgn Complete:	/ /	UST Involvement:	False
Spill Record Last Update:	10/01/98		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	09/30/98		
Date Region Sent Summary to Central Office:	/ /		

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

D16
WSW
< 1/8
608 ft.

NATIONAL ENVELOPE — NY Spills — S102240373
2910 HUNTER POINT AV — N/A
LONG ISLAND, NY

Site 1 of 5 in cluster D

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number:	9604370	Region of Spill:	2
Spill Date:	07/01/96	Reported to Dept:	/ /
ID:	235268		
Date Call Received:	07/01/96		
Region Close Date :	07/08/96		
Material Spilled:	#2 FUEL OIL	Amount Spilled:	75 Gal.
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9604370	Region of Spill:	2
Spill Date:	07/01/1996 13:45	Reported to Dept:	07/01/96 19:15
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	(718) 786-0300
Investigator:	O'DOWD	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	(718) 786-0300
Spiller:	NATIONAL ENVELOPE		
Spiller Address:	2910 HUNTER POINT AV LONG ISLAND, NY 13207		

DEC Remarks : 7/2/96 - 20K UST 2 OIL @11:30am ARRIVED @ SITE - MET WITH ZORY - FILL CONTAINED @ FILL CAP - APPLIED SORBENT THEN SPEEDY DRY - OIL STAINING STILL ON SIDEWALK - NEED MORE WORK DONE IN PARKING LOT - ZORY SAID NO OIL IN WATERWAY - @ 11:45am LEFT MESSA
GE FOR PETER LAPORE - GUYS SUPPOSED TO GO BACK TO FINISH - LEFT MESSAGE FOR HIM TO CALL ME WHEN WORK IS COMPLETED SO DEC CAN INSPECT.

Remark: DEFECTIVE GAUGE ON FUEL TANK CAUSED SPILL - SPILL HAS BEEN CLEANED UP

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	75
Units:	Gallons
Unknown Qty Spilled:	75

NATIONAL ENVELOPE (Continued) **S102240373**

Quantity Recovered: 75
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: 07/08/96
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 08/28/96
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/01/96
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

D17 **NEW YORK ENVELOPE CORPORATION** **RCRA-SQG 1000136807**
WSW **29-10 HUNTERS POINT AVENUE** **FINDS NYD001344886**
< 1/8 **LONG ISLAND CITY, NY 11101**
608 ft.

Site 2 of 5 in cluster D

Relative:
Lower

Actual:
12 ft.

RCRAInfo:
Owner: HUNTERSPOINT AVE CO
(212) 751-4627
EPA ID: NYD001344886

Contact: ZORY GINZBURG
(718) 786-0300

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/19/2000
Actual Date Achieved Compliance: 07/14/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/06/1998
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/31/2000
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 05/19/2000
Actual Date Achieved Compliance: 07/17/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/31/2000

NEW YORK ENVELOPE CORPORATION (Continued) **1000136807**

Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 05/19/2000
Actual Date Achieved Compliance: 07/17/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/31/2000
Penalty Type: Not reported

Regulation Violated: 6nycrr372.2(a)(8)(ii)&373.1.1(
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/06/1998
Actual Date Achieved Compliance: 10/30/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/06/1998
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/31/2000
Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20000714
	GENERATOR-MANIFEST REQUIREMENTS	20000717
	GENERATOR-LAND BAN REQUIREMENTS	20000717
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19981030

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

D18 **NY ENVELOPE CORP** **NY Spills** **S106010174**
WSW **29-10 HUNTERSPOINT AVE.** **N/A**
< 1/8 **QUEENS, NY**
608 ft.

Site 3 of 5 in cluster D

Relative: Lower

Actual: 12 ft.

SPILLS:

Spill Number: 0209638 Region of Spill: 2
Spill Date: 12/19/02 Reported to Dept: / /
ID: 41928
Date Call Received: 12/19/02
Region Close Date : 12/19/02
Material Spilled: UNKNOWN PETROLEUM Amount Spilled: Unknown Gal.
Water Affected: Not reported Spill Source: UNKNOWN
Spill Cause: Unknown Resource Affected: Surface Water
Tank Number: Not reported Tank Size : Not reported
Test Method: Not reported Leak Rate: Not reported

D19
WSW
< 1/8
608 ft.

NY ENVELOPE
2910 HUNTERS POINT AV
LONG ISLAND CITY, NY

LTANKS

S103592540
N/A

Site 4 of 5 in cluster D

Relative:
Lower

Actual:
12 ft.

LTANKS:

Spill Number:	0102148	Region of Spill:	2
Spill Date:	05/25/2001 13:00	Reported to Dept:	05/25/01 14:47
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Facility Contact:	KEN CASPER	Facility Tele:	(718) 847-1800
Investigator:	SANGESLAND	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	KEN CASPER	Spiller Phone:	(718) 847-1800
Spiller:	NY ENVELOPE		
Spiller Address:	2910 HUNTERS POINT AV LONG ISLAND CITY, NY		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Tank Tester	PBS Number:	2-311774
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	False
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Record Last Update:	05/29/01
Is Updated:	False

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/25/01
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number:	Not reported
Tank Number:	1
Test Method:	Horner EZ Check
Capacity of Failed Tank:	20000
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	#2 FUEL OIL
Class Type:	Petroleum

NY ENVELOPE (Continued) **S103592540**

Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: tank will be excavated and will isolate

Spill Number: 0102148
Spill Date: 05/25/01
ID: 48128
Material Spilled: #2 FUEL OIL
Region Close Dt: Not closed
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: 1
Test Method: HORNER EZ CHECK
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 05/25/01
Amount Spilled: 0 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: 20000
Leak Rate: 0.00

D20 **29-10 HUNTERS POINT AVE** **UST U000406165**
WSW **29-10 HUNTERS POINT AVENUE** **N/A**
< 1/8 **LONG ISLAND CITY, NY 11101**
608 ft.

Site 5 of 5 in cluster D

Relative:
Lower

Actual:
12 ft.

PBS UST:
PBS Number: 2-311774
SPDES Number: Not reported
Operator: NEW YORK ENVELOPE CORP
(212) 751-4627
Emergency Contact: NEW YORK ENVELOPE CORP
(718) 786-0300
Total Tanks: 1
Owner: 29-10 HUNTERS POINT AVENUE CO. L.L.C.
60 EAST 56TH STREET 7TH FLOOR
LONG ISLAND CITY, NY 10022
(212) 751-4627
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: 29-10 HUNTERS POINT AVENUE CO. L.L.C.
60 EAST 56TH STREET 7TH FLOOR
LONG ISLAND CITY, NY 10022
(212) 751-4627
Tank Status: In Service
Capacity (gals): 20000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: 07/01/1996
Date Closed: Not reported
Deleted: False

CBS Number: Not reported
SWIS ID: 6301
Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON
Dispenser: Suction
Next Test Date: Not reported
Test Method: HORNER
Updated: True

29-10 HUNTERS POINT AVE (Continued) **U000406165**

Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/20/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

E21
ENE
< 1/8
655 ft.

Relative:
Higher

Actual:
16 ft.

OFFICE FURNITURE SVCS **RCRA-SQG 1000458214**
47-44 31ST ST **FINDS NYD986936011**
LONG ISLAND CITY, NY 11101

Site 1 of 3 in cluster E

RCRAInfo:
Owner: OFFICE FURNITURE SVCS
(212) 555-1212
EPA ID: NYD986936011

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

E22
ENE
< 1/8
655 ft.

Relative:
Higher

Actual:
16 ft.

HELMSLEY SPEAR INC **RCRA-SQG 1000303341**
47-44 31ST ST **FINDS NYD986873586**
LONG ISLAND CITY, NY 11106

Site 2 of 3 in cluster E

HELMSLEY SPEAR INC (Continued) **1000303341**

RCRAInfo:
Owner: HELMSLEY SPEAR INC
(212) 555-1212
EPA ID: NYD986873586

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

E23
ENE
< 1/8
655 ft.

SMITH & WATSON INC **RCRA-SQG** **1000404554**
47-44 31ST ST **NYD986896348**
LONG ISLAND CITY, NY 11101

Site 3 of 3 in cluster E

Relative:
Higher

Actual:
16 ft.

RCRAInfo:
Owner: ROBERT BRANTLEY
(212) 555-1212
EPA ID: NYD986896348

Contact: ROBERT BRANTLEY
(718) 937-3430

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

F24
North
1/8-1/4
667 ft.

ENTERON GROUP LLC D/BA MASTER VU **RCRA-SQG** **1005417299**
3000 47TH AVE - GROUND FL **FINDS** **NYR000104257**
LONG ISLAND CITY, NY 11101

Site 1 of 4 in cluster F

Relative:
Higher

Actual:
14 ft.

ENTERON GROUP LLC D/BA MASTER VU (Continued) **1005417299**

RCRAInfo:
Owner: ENTERON GROUP LLC
(312) 896-0001
EPA ID: NYR000104257

Contact: JEFF BRAGER
(212) 924-8277

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

F25
North
1/8-1/4
667 ft.

Relative:
Higher

Actual:
14 ft.

JACMEL JEWELRY INC **FINDS 1001489032**
30-00 47TH AVE **RCRA-LQG NYD986987741**
LONG ISLAND CITY, NY 11101

Site 2 of 4 in cluster F

RCRAInfo:
Owner: JACK RAHMEY
(718) 349-4401
EPA ID: NYD986987741

Contact: Not reported

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

F26
North
1/8-1/4
667 ft.

Relative:
Higher

Actual:
14 ft.

JARNOW CORP **RCRA-SQG 1000981338**
30-00 47TH AVE - 6TH FLOOR **FINDS NY0000969147**
LONG ISLAND CITY, NY 11101

Site 3 of 4 in cluster F

JARNOW CORP (Continued) **1000981338**

RCRAInfo:
Owner: GEORGE WEISZ
(718) 361-5882
EPA ID: NY0000969147

Contact: BENJAMIN WEISZ
(718) 361-5882

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

F27 **CENTURY DIRECT** **RCRA-SQG 1004761253**
North **30-00 47TH AVE 3RD FLOOR** **FINDS NYR000082297**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
667 ft.

Site 4 of 4 in cluster F

Relative:
Higher

RCRAInfo:
Owner: AGC MANAGEMENT ATTN A SHAPIRO
(212) 763-0609
Actual: EPA ID: NYR000082297
14 ft.

Contact: MICHAEL KELLOGG
(212) 763-0609

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

G28 **PHOENIX COLOR CORP** **RCRA-SQG 1000207958**
NNE **47-07 30 PL** **FINDS NYD096477864**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
686 ft.

Site 1 of 2 in cluster G

Relative:
Higher

Actual:
14 ft.

PHOENIX COLOR CORP (Continued) **1000207958**

RCRAInfo:
Owner: PHOENIX COLOR CORP
(212) 555-1212
EPA ID: NYD096477864

Contact: LOUIS LASORSA
(718) 936-7300

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

G29
NNE
1/8-1/4
686 ft.

Relative:
Higher

Actual:
14 ft.

SIRMOS, INC.
47-07 30TH PL
LONG ISLAND CITY, NY 11101

FINDS 1000342133
RCRA-LQG NYD085203198

Site 2 of 2 in cluster G

RCRAInfo:
Owner: Not reported
EPA ID: NYD085203198

Contact: WILLIAM NADRA
(718) 786-5920

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	23454.00	D035	19273.00
F003	19273.00	F005	19273.00

Violation Status: Violations exist

Regulation Violated: 372.2(b)(3)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/31/2004
Actual Date Achieved Compliance: 09/02/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/19/2004
Penalty Type: Not reported

Regulation Violated: 373-3.9(f)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/31/2004
Actual Date Achieved Compliance: 09/02/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/19/2004
Penalty Type: Not reported

SIRMOS, INC. (Continued) **1000342133**

Regulation Violated: 373-3.4(e)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/31/2004
Actual Date Achieved Compliance: 09/02/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/19/2004
Penalty Type: Not reported

Regulation Violated: 6nycrr372.2(a)(8)(iii), b
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/14/1999
Actual Date Achieved Compliance: 06/13/1999

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/10/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/14/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/06/1999
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/22/1993
Actual Date Achieved Compliance: 03/17/1994

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/10/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/14/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/06/1999
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	2/14/1994	1500	STATE
Proposed Monetary Penalty	1/10/1994	2750	STATE

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20040902
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20040902
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20040902
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990613
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940317

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

SIRMOS, INC. (Continued) **1000342133**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
INTEGRATED COMPLIANCE INFORMATION SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
NATIONAL EMISSIONS INVENTORY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

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30 **BUSHWICK IRON & STEEL CO INC** **UST** **U001831950**
SE **49-47 31ST STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
717 ft.

Relative: **Equal**

Actual: **13 ft.**

PBS UST:

PBS Number:	2-082686	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ROBERT ASTACIO (718) 706-1800		
Emergency Contact:	ROBERT ASTACIO (718) 706-1824		
Total Tanks:	0		
Owner:	STEWART PERLIN 245 GREAT NECK ROAD, SUITE 202 GREAT NECK, NY 11021 (516) 482-1771		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BUSHWICK IRON & STEEL CO ATTN: STEWART PERLIN 245 GREAT NECK ROAD, SUIT 202 GREAT NECK, NY 11021 (516) 482-1771		
Tank Status:	Closed - In Place		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	03/01/1988	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported

BUSHWICK IRON & STEEL CO INC (Continued) U001831950

Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-082686	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ROBERT ASTACIO (718) 706-1800		
Emergency Contact:	ROBERT ASTACIO (718) 706-1824		
Total Tanks:	0		
Owner:	STEWART PERLIN 245 GREAT NECK ROAD, SUITE 202 GREAT NECK, NY 11021 (516) 482-1771		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BUSHWICK IRON & STEEL CO ATTN: STEWART PERLIN 245 GREAT NECK ROAD, SUIT 202 GREAT NECK, NY 11021 (516) 482-1771		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	09/01/1992
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		

BUSHWICK IRON & STEEL CO INC (Continued) **U001831950**

Region:	2		
PBS Number:	2-082686	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ROBERT ASTACIO (718) 706-1800		
Emergency Contact:	ROBERT ASTACIO (718) 706-1824		
Total Tanks:	0		
Owner:	STEWART PERLIN 245 GREAT NECK ROAD, SUITE 202 GREAT NECK, NY 11021 (516) 482-1771		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BUSHWICK IRON & STEEL CO ATTN: STEWART PERLIN 245 GREAT NECK ROAD, SUIT 202 GREAT NECK, NY 11021 (516) 482-1771		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	09/01/1992
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-082686	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ROBERT ASTACIO (718) 706-1800		

BUSHWICK IRON & STEEL CO INC (Continued) **U001831950**

Emergency Contact:	ROBERT ASTACIO (718) 706-1824		
Total Tanks:	0		
Owner:	STEWART PERLIN 245 GREAT NECK ROAD, SUITE 202 GREAT NECK, NY 11021 (516) 482-1771		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BUSHWICK IRON & STEEL CO ATTN: STEWART PERLIN 245 GREAT NECK ROAD, SUIT 202 GREAT NECK, NY 11021 (516) 482-1771		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	09/01/1992
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

31
ENE
1/8-1/4
748 ft.

C F G AGSCB FALCHI LLC
31-00 47TH AVE 3RD & 4TH FLOOR
LONG ISLAND CITY, NY 11101

RCRA-SQG 1001961579
FINDS NYR000083782

Relative:
Higher

Actual:
17 ft.

C F G AGSCB FALCHI LLC (Continued) **1001961579**

RCRAInfo:
Owner: CFG-AGSCB FALCHI LLC
(718) 937-8700
EPA ID: NYR000083782
Contact: JOHN BEHAN
(718) 937-8700
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

H32 **SUN CLEANERS/WHITE & WHITE** **DRYCLEANERS** **S106436224**
East **47-02 31ST PL.** **N/A**
1/8-1/4 **LI CITY, NY 11101**
833 ft.

Site 1 of 3 in cluster H

Relative:
Higher

Drycleaners:
Facility ID : 2-6304-00544
Actual: Region : QUEENS
19 ft.

H33 **GIMBELS L I C WAREHOUSE** **UST** **U001831361**
East **47-02 31ST PLACE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
833 ft.

Site 2 of 3 in cluster H

Relative:
Higher

PBS UST:
PBS Number: 2-043796 CBS Number: Not reported
Actual: SPDES Number: Not reported SWIS ID: 6301
19 ft.
Operator: GIMBELS EAST INC
(718) 784-9066
Emergency Contact: MITCH LEV
(718) 784-9066
Total Tanks: 0
Owner: GIMBELS EAST INC
1275 BROADWAY
NEW YORK, NY 10001
(212) 564-3300
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: GIMBELS EAST INC
1275 BROADWAY
NEW YORK, NY 10001
(212) 564-3300
Tank Status: Administratively Closed (See Site Staus)
Capacity (gals): 15000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS

GIMBELS L I C WAREHOUSE (Continued) **U001831361**

Tank Id:	001	Install Date:	06/01/1935
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/30/2001	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	True	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/02/1986
Old PBS Number:	Not reported	Expiration Date:	12/02/1991
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

H34
East
1/8-1/4
833 ft.

Relative:
Higher

Actual:
19 ft.

WHITE & WHITE **RCRA-SQG 1000426465**
47-02 31ST PL **FINDS NYD986871903**
LONG ISLAND CITY, NY 11101

Site 3 of 3 in cluster H

RCRAInfo:

Owner: WHITE & WHITE
(718) 729-8122
EPA ID: NYD986871903

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	372.2 (a) 2 & 8i
Area of Violation:	GENRATOR-SQG REQUIREMENTS
Date Violation Determined:	08/10/2004
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/18/2000
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/18/2000
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/30/2004

WHITE & WHITE (Continued) **1000426465**

Penalty Type: Not reported

Regulation Violated: 6 NYCRR 372.2(a)(2)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 01/08/2004
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/30/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: FORMAL ENFORCEMENT AGREEMENT
Date Violation Determined: 01/08/2004
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/30/2004
Penalty Type: Not reported

Regulation Violated: 372.2(a), (b), (c), 376.1(a)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 08/31/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/2000
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/18/2000
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/30/2004
Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENRATOR-SQG REQUIREMENTS	
	GENERATOR-GENERAL REQUIREMENTS	
	GENRATOR-SQG REQUIREMENTS	
	FORMAL ENFORCEMENT AGREEMENT	
Compliance Evaluation Inspection	GENRATOR-SQG REQUIREMENTS	
Compliance Eval Inspection without Sampling	GENERATOR-GENERAL REQUIREMENTS	
	FORMAL ENFORCEMENT AGREEMENT	

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

35 NW 1/8-1/4 859 ft. — **METRO MACHINING & FABRICATING INCORPORATED**, **47-24 27TH STREET**, **LONG ISLAND CITY, NY 11101** — **RCRA-SQG, FINDS, AST** — **1000282562, NYD001504695**

Relative: Lower

Actual: 10 ft.

RCRAInfo:
Owner: LOCAL 1 REALTY CORP
(718) 707-9450
EPA ID: NYD001504695
Contact: Not reported
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

PBS AST:

PBS Number:	2-601903	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	MANUFACTURING		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	STALEY ELEVATOR CO., INC. 47-24 27TH ST. L.I.C., NY 11101		
Owner Phone:	(718) 786-4300		
Facility Phone:	(718) 786-4300		
Operator:	ALBERT PARISI		
Emergency Name:	KEVIN LEO		
Emergency Phone:	(718) 786-4300		
Total Tanks:	1		
Total Capacity:	5000		
Tank ID:	001		
Capacity (Gal):	5000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/VAULT		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported

METRO MACHINING & FABRICATING INCORPORATED (Continued) **1000282562**

Result of Inspection:	Not reported
Mailing Name:	STALEY ELEVATOR CO., INC.
Mailing Address:	47-24 27TH ST.
	L.I.C., NY 11101
Mailing Contact:	ALBERT PARISI
Mailing Telephone:	(718) 786-4300
Owner Mark:	First Owner
Certification Flag:	False
Renew Flag:	False
Lat/Long:	Not reported
Dead Letter:	False
Facility Screen:	No data missing
Owner Screen:	No data missing
Tank Screen:	No data missing
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	63
Region:	2

Expiration Date: 06/20/2004
Certification Date: 06/25/1999
Renew Date: / /

Fiscal Amount for Registration Fee is Correct: True

I36
NE
1/8-1/4
861 ft.

Relative: Higher

Actual: 17 ft.

ANCHOR ENGRAVING CO INC **RCRA-SQG 1000789969**
31-00 47TH AVE **FINDS NYD987014396**
LONG ISLAND CITY, NY 11101

Site 1 of 5 in cluster I

RCRAInfo:

Owner:	GERALD SCHNEIDERMAN
	(718) 784-7711
EPA ID:	NYD987014396
Contact:	TIMOTHY MCGRATH
	(718) 784-7711
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

I37
NE
1/8-1/4
861 ft.

Relative: Higher

Actual: 17 ft.

SCHICK TECHNOLOGIES INC **RCRA-SQG 1001224248**
31-00 47TH ST 5TH FLOOR **FINDS NYR000054643**
LONG ISLAND CITY, NY 11101

Site 2 of 5 in cluster I

SCHICK TECHNOLOGIES INC (Continued) **1001224248**

RCRAInfo:
Owner: ATC MANAGEMENT INC
(718) 937-8700
EPA ID: NYR000054643

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

I38 **31-00 47TH AVENUE** **UST U001736546**
NE **31-00 47TH AVENUE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
861 ft.

Site 3 of 5 in cluster I

Relative:
Higher

Actual:
17 ft.

PBS UST:

PBS Number:	2-601626	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ST B. MANAGEMENT (718) 937-8700		
Emergency Contact:	ST B. MANAGEMENT (718) 937-8700		
Total Tanks:	1		
Owner:	31-02 47TH AVE ASSOC. L.P. 31-00 47TH AVENUE LONG ISLAND CITY, NY 11101 (718) 937-8700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	31-02 47TH AVE ASSOC. L.P. 31-00 47TH AVENUE LONG ISLAND CITY, NY 11101 (718) 937-8700		
Tank Status:	In Service		
Capacity (gals):	15000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	01/01/1988
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported

31-00 47TH AVENUE (Continued) **U001736546**

Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/02/1993
Old PBS Number:	Not reported	Expiration Date:	11/02/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

I39
NE
1/8-1/4
861 ft.

S G G JEWELRY INC
31-00 47TH AVE 5TH FLOOR LOT 5
LONG ISLAND CITY, NY 11101

RCRA-SQG 1006810333
FINDS NYR000110072

Site 4 of 5 in cluster I

Relative:
Higher

Actual:
17 ft.

RCRAInfo:

Owner: 31-00 HOLDINGS LLC CF
(718) 361-7633
EPA ID: NYR000110072

Contact: BRIAN ROTH
(718) 472-9600

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

I40
NE
1/8-1/4
861 ft.

O T C MANUFACTURING & DIST INC
31-00 47TH AVE 5TH FLOOR
LONG ISLAND CITY, NY 11101

RCRA-SQG 1004760729
FINDS NYR000058917

Site 5 of 5 in cluster I

Relative:
Higher

Actual:
17 ft.

O T C MANUFACTURING & DIST INC (Continued) **1004760729**

RCRAInfo:
Owner: 31-02 47TH AVENUE ASSOCIATES LP
(718) 937-8700
EPA ID: NYR000058917

Contact: YAGUR SHEINMAN
(718) 391-7400

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

41
SE
1/8-1/4
907 ft.

Relative:
Higher

Actual:
17 ft.

LINEAR LIGHTING CORP
31-30 HUNTERSPOINT AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000400246
FINDS NYD047677042

RCRAInfo:
Owner: STANLEY DEUTSCH
(718) 361-7552
EPA ID: NYD047677042

Contact: PHILIP SCHAEFER
(718) 361-7552

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/02/1998
Actual Date Achieved Compliance: 04/15/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/02/1998
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/12/1990
Actual Date Achieved Compliance: 04/15/1999

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/18/1990
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/23/1990
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/02/1998
Penalty Type: Proposed Monetary Penalty

LINEAR LIGHTING CORP (Continued) **1000400246**

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990415
	GENERATOR-ALL REQUIREMENTS (QVERSIGHT)	19990415
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990415

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

42
NNW
1/8-1/4
975 ft.

SUBACCHI FURNITURE
46-24 28TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG **1000144031**
FINDS **NYD045440997**

Relative:
Higher

Actual:
15 ft.

RCRAInfo:
Owner: STEPHEN VOLPE
(212) 555-1212
EPA ID: NYD045440997
Contact: STEPHEN VOLPE
(718) 361-0551
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

J43
NW
1/8-1/4
979 ft.

ANTHONY CONCRETE
47-17 27TH ST.
LONG ISLAND CITY, NY 11101

CBS AST **S102639396**
N/A

Site 1 of 2 in cluster J

Relative:
Lower

Actual:
12 ft.

CBS AST:
CBS Number: 2-000181
Qwner: SIKA CORPORATION
201 POLITO AVE.
LYNDHURST, NJ 07071
(201) 933-8800
Telephone: (718) 729-4351
Facility Status: Active
Total Tanks 0
Tank Status: 0
Tank Error Status: No Missing Data

ANTHONY CONCRETE (Continued) **S102639396**

Tank Location:	Aboveground		
Install Date:	04/85		
Capacity (Gal):	275		
Tank Type:	Plastic		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	OTHER	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	2
Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	00/00		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	2-700754
Facility Type:	Manufacturing		
Operator:	LEE PRINCIPE	Facility Town:	NEW YORK CITY
Emrgncy Contact:	CHARLES LUGINBILL	Emrgncy Phone:	(201) 933-8800
Certified Date:	08/31/1995	Expiration Date:	09/22/1997
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	SIKA CORPORATION		
Mail Contact:	CHARLES LUGINBILL 201 POLITO AVE. LYNDHURST, NJ 07071		
Mail Phone:	(201) 933-8800		
Tank Secret:	False	Date Entered:	09/22/1989 08:44:14
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	06/07/93	Date Expired:	09/22/95
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	18011
Date Pre-Printed Renewal App Form Was Last Printed:	06/06/1997

CBS Number:	2-000181	Telephone:	(718) 729-4351
Owner:	SIKA CORPORATION 201 POLITO AVE. LYNDHURST, NJ 07071 (201) 933-8800		
Facility Status:	Active		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	04/85		
Capacity (Gal):	275		
Tank Type:	Plastic		

ANTHONY CONCRETE (Continued) **S102639396**

Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	OTHER	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	2
Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	00/00		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	2-700754
Facility Type:	Manufacturing		
Operator:	LEE PRINCIPE	Facility Town:	NEW YORK CITY
Emrgncy Contact:	CHARLES LUGINBILL	Emrgncy Phone:	(201) 933-8800
Certified Date:	08/31/1995	Expiration Date:	09/22/1997
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	SIKA CORPORATION		
Mail Contact:	CHARLES LUGINBILL 201 POLITO AVE. LYNDHURST, NJ 07071		
Mail Phone:	(201) 933-8800		
Tank Secret:	False	Date Entered:	09/22/1989 08:44:29
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	06/07/93	Date Expired:	09/22/95
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	18012
Date Pre-Printed Renewal App Form Was Last Printed:	06/06/1997

K44
WNW
1/8-1/4
1012 ft.

Relative:
Lower

Actual:
12 ft.

CONFORT & COMPANY
47-47 AUSTELL PLACE
LONG ISLAND CITY, NY 11101

Site 1 of 2 in cluster K

FINDS 1000981422
RCRA-LQG NY0000990861
AST

CONFORT & COMPANY (Continued) **1000981422**

RCRAInfo:
Owner: JOHN CONFORT JR - CONFORT & CO
(718) 729-8900
EPA ID: NY0000990861

Contact: Not reported

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)
D001	49130.00

Violation Status: Violations exist

Regulation Violated: 372.2(b)(5)(i),(ii),(iii)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 372.2(b)(2)(i),(ii)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 372.2(a)(2)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 373-3.2(g)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

CONFORT & COMPANY (Continued) 1000981422

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 373-3.3(b)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 372.2(a)(8)(ii)/373
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 373-3.4(c)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 372.2(a)(8)(i)(b)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: 376
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/03/2003
Actual Date Achieved Compliance: 10/29/2004

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/13/2004
Penalty Type: Final Monetary Penalty

CONFORT & COMPANY (Continued) **1000981422**

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/29/2004
Penalty Type: Final Monetary Penalty

There are 9 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20041029

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

PBS AST:

PBS Number:	2-327085	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported	Previous PBS#:	Not reported

Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: MANUFACTURING
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: CONFORT & CO INC
47-47 AUSTELL PL
LONG ISLAND CITY, NY 11101
Owner Phone: (718) 729-8900
Facility Phone: (718) 729-8900
Operator: CONFORT & CO INC
Emergency Name: VLADIMIR LAUTAR
Emergency Phone: (516) 775-6231
Total Tanks: 2
Total Capacity: 7000
Tank ID: 001
Capacity (Gal): 5000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE
Tank Containment: VAULT
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE

CONFORT & COMPANY (Continued) **1000981422**

Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge, Vent Whistle		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	CONFORT & CO INC		
Mailing Address:	47-47 AUSTELL PL LONG ISLAND CITY, NY 11101		
Mailing Contact:	JOHN L. HANLON		
Mailing Telephone:	(718) 729-8900		
Owner Mark:	First Owner	Expiration Date:	01/07/2003
Certification Flag:	False	Certification Date:	01/16/1998
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-327085	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	MANUFACTURING		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	CONFORT & CO INC 47-47 AUSTELL PL LONG ISLAND CITY, NY 11101		
Owner Phone:	(718) 729-8900		
Facility Phone:	(718) 729-8900		
Operator:	CONFORT & CO INC		
Emergency Name:	VLADIMIR LAUTAR		
Emergency Phone:	(516) 775-6231		
Total Tanks:	2		
Total Capacity:	7000		
Tank ID:	002		
Capacity (Gal):	2000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE		
Tank Containment:	VAULT		
Pipe Type:	STEEL/IRON		

CONFORT & COMPANY (Continued) **1000981422**

Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge, Vent Whistle		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	CONFORT & CO INC		
Mailing Address:	47-47 AUSTELL PL LONG ISLAND CITY, NY 11101		
Mailing Contact:	JOHN L. HANLON		
Mailing Telephone:	(718) 729-8900		
Owner Mark:	First Owner	Expiration Date:	01/07/2003
Certification Flag:	False	Certification Date:	01/16/1998
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

J45 **MICHELANGELO SCULPTURE** **RCRA-SQG 1004761796**
NW **27-01 47TH AVE** **FINDS NYR000090498**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1014 ft.

Site 2 of 2 in cluster J

Relative:
Equal

Actual:
13 ft.

RCRAInfo:

Owner:	DOMENICO RANIERI (212) 982-5150
EPA ID:	NYR000090498
Contact:	DOMENICO RANIERI (212) 982-5150
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

MICHELANGELO SCULPTURE (Continued) **1004761796**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

L46 **BULL CONSULTING INC D/B/A SHELL-VAN DAM** **UST U003178492**
East **48-02 VAN DAM ST** **AST N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1058 ft.

Site 1 of 4 in cluster L

Relative:
Higher

Actual:
24 ft.

PBS UST:

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	STAVROS VLACHOS. (718) 729-3442		
Emergency Contact:	STEVEN BATALAS (718) 729-7919		
Total Tanks:	4		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Owner Type:	Corporate/Commercial		
Owner Mark:	Fourth Owner		
Owner Subtype:	Not reported		
Mailing Address:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM ATTN: STAVROS VLACHOS 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	1	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10275	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	08/10/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Town or City Code: 01
County Code: 63
Region: 2

PBS OWNHIST
Operator: BULL CONSULTING, INC/
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: BP SERVICE STATION
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3617868
Owner: VAN DAMLY HOLDING CORP.
Owner Tel: (914) 253-8945 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO., INC.
BP SERVICE STATION - CONST/MAINT BLDG.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER HUGHES
(516) 851-0068
Owner Mark: Second Owner
Certify Date: 04/07/2002 Expiration: 04/07/2002
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 3
Facility Owner: VAN DAMLY HOLDING CORP.
Facility Address: 287 BOWMAN AVENUE
PURCHASE, NY 10577
Owner Phone: (914) 253-8945
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 02/16/1999
Facility Record Updated: True

Operator: RAD PROPERTIES CORP.
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: RAD PROPERTIES, COR. D.B.A. BP
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3417607
Owner: RAD PROPERTIES CORP.
Owner Tel: (914) 701-2700 Owner Type: Corporate/Commercial

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Owner Subtype: Not reported
Mail Address: RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER F. HUGHES
(516) 851-0068
Owner Mark: Third Owner
Certify Date: 02/16/2004 Expiration: 02/16/2004
Total Capacity (Gal): 10275
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 4
Facility Owner: RAD PROPERTIES CORP.
Facility Address: 287 BOWMAN AVENUE

PURCHASE, NY 10577
Owner Phone: (914) 701-2700
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 08/10/1999
Facility Record Updated: True

Operator: RICHARD DRAIZIN
Emergency: PETER F. HIGHES
Emergency Tel: (718) 678-8790 Old PBSNO: Not reported
Facility Type: Not reported
Facility Owner: BP SERVICE
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3394991
Owner: VAN DAMELLY CORP.
Owner Tel: (516) 678-8790 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO.
7 HAMPTON ROAD
OCAENSIDE, NY 10572
PETER F. HUGES
(516) 678-8790
Owner Mark: First Owner
Certify Date: 02/03/1998 Expiration: 02/03/1998
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-7746
Num of Active Tanks : 3
Facility Owner: VAN DAMELLY CORP.
Facility Address: 48-02 VAN DAM STREET

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

L.I.C., NY 11101
Owner Phone: (516) 678-8790
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 04/07/1997
Facility Record Updated: True

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	STAVROS VLACHOS. (718) 729-3442		
Emergency Contact:	STEVEN BATALAS (718) 729-7919		
Total Tanks:	4		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Owner Type:	Corporate/Commercial		
Owner Mark:	Fourth Owner		
Owner Subtype:	Not reported		
Mailing Address:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM ATTN: STAVROS VLACHOS 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	1	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10275	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	08/10/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 63
Region: 2

PBS OWNHIST
Operator: BULL CONSULTING, INC/
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: BP SERVICE STATION
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3617868
Owner: VAN DAMLY HOLDING CORP.
Owner Tel: (914) 253-8945 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO., INC.
BP SERVICE STATION - CONST/MAINT BLDG.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER HUGHES
(516) 851-0068
Owner Mark: Second Owner
Certify Date: 04/07/2002 Expiration: 04/07/2002
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 3
Facility Owner: VAN DAMLY HOLDING CORP.
Facility Address: 287 BOWMAN AVENUE
PURCHASE, NY 10577
Owner Phone: (914) 253-8945
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 02/16/1999
Facility Record Updated: True

Operator: RAD PROPERTIES CORP.
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: RAD PROPERTIES, COR. D.B.A. BP
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3417607
Owner: RAD PROPERTIES CORP.

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Owner Tel:	(914) 701-2700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT. 1069 ISLIP AVENUE CENTRAL ISLIP, NY 11722 PETER F. HUGHES (516) 851-0068		
Owner Mark:	Third Owner		
Certify Date:	02/16/2004	Expiration:	02/16/2004
Total Capacity (Gal):	10275		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 937-8607		
Num of Active Tanks :	4		
Facility Owner:	RAD PROPERTIES CORP.		
Facility Address:	287 BOWMAN AVENUE PURCHASE, NY 10577		
Owner Phone:	(914) 701-2700		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	08/10/1999		
Facility Record Updated:	True		

Operator:	RICHARD DRAIZIN		
Emergency:	PETER F. HIGHES		
Emergency Tel:	(718) 678-8790	Old PBSNO:	Not reported
Facility Type:	Not reported		
Facility Owner:	BP SERVICE		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3394991
Owner:	VAN DAMELLY CORP.		
Owner Tel:	(516) 678-8790	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD OIL CO. 7 HAMPTON ROAD OCAENSIDE, NY 10572 PETER F. HUGES (516) 678-8790		
Owner Mark:	First Owner		
Certify Date:	02/03/1998	Expiration:	02/03/1998
Total Capacity (Gal):	10000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 937-7746		
Num of Active Tanks :	3		
Facility Owner:	VAN DAMELLY CORP.		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Facility Address:	48-02 VAN DAM STREET
	L.I.C., NY 11101
Owner Phone:	(516) 678-8790
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	04/07/1997
Facility Record Updated:	True

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	STAVROS VLACHOS. (718) 729-3442		
Emergency Contact:	STEVEN BATALAS (718) 729-7919		
Total Tanks:	4		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Owner Type:	Corporate/Commercial		
Owner Mark:	Fourth Owner		
Owner Subtype:	Not reported		
Mailing Address:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM ATTN: STAVROS VLACHOS 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	1	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10275	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	08/10/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Owner: RAD PROPERTIES CORP.
Owner Tel: (914) 701-2700 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER F. HUGHES
(516) 851-0068
Owner Mark: Third Owner
Certify Date: 02/16/2004 Expiration: 02/16/2004
Total Capacity (Gal): 10275
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 4
Facility Owner: RAD PROPERTIES CORP.
Facility Address: 287 BOWMAN AVENUE

PURCHASE, NY 10577
Owner Phone: (914) 701-2700
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 08/10/1999
Facility Record Updated: True

Operator: RICHARD DRAIZIN
Emergency: PETER F. HIGHES
Emergency Tel: (718) 678-8790 Old PBSNO: Not reported
Facility Type: Not reported
Facility Owner: BP SERVICE
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3394991
Owner: VAN DAMELLY CORP.
Owner Tel: (516) 678-8790 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO.
7 HAMPTON ROAD
OCAENSIDE, NY 10572
PETER F. HUGES
(516) 678-8790
Owner Mark: First Owner
Certify Date: 02/03/1998 Expiration: 02/03/1998
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-7746
Num of Active Tanks : 3

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Facility Owner:	VAN DAMELLY CORP.
Facility Address:	48-02 VAN DAM STREET
	L.I.C., NY 11101
Owner Phone:	(516) 678-8790
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	04/07/1997
Facility Record Updated:	True

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	STAVROS VLACHOS. (718) 729-3442		
Emergency Contact:	STEVEN BATALAS (718) 729-7919		
Total Tanks:	4		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Owner Type:	Corporate/Commercial		
Owner Mark:	Fourth Owner		
Owner Subtype:	Not reported		
Mailing Address:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM ATTN: STAVROS VLACHOS 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	1	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10275	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	08/10/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Lat/long: Not reported
Facility Type: RETAIL GASOLINE SALES
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 63
Region: 2

PBS OWNHIST
Operator: BULL CONSULTING, INC/
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: BP SERVICE STATION
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3617868
Owner: VAN DAMLY HOLDING CORP.
Owner Tel: (914) 253-8945 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO., INC.
BP SERVICE STATION - CONST/MAINT BLDG.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER HUGHES
(516) 851-0068
Owner Mark: Second Owner
Certify Date: 04/07/2002 Expiration: 04/07/2002
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 3
Facility Owner: VAN DAMLY HOLDING CORP.
Facility Address: 287 BOWMAN AVENUE
PURCHASE, NY 10577
Owner Phone: (914) 253-8945
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 02/16/1999
Facility Record Updated: True

Operator: RAD PROPERTIES CORP.
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: RAD PROPERTIES, COR. D.B.A. BP
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Insp Result:	Not reported	Federal ID:	13-3417607
Owner:	RAD PROPERTIES CORP.		
Owner Tel:	(914) 701-2700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT. 1069 ISLIP AVENUE CENTRAL ISLIP, NY 11722 PETER F. HUGHES (516) 851-0068		
Owner Mark:	Third Owner		
Certify Date:	02/16/2004	Expiration:	02/16/2004
Total Capacity (Gal):	10275		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 937-8607
Num of Active Tanks :	4
Facility Owner:	RAD PROPERTIES CORP.
Facility Address:	287 BOWMAN AVENUE PURCHASE, NY 10577
Owner Phone:	(914) 701-2700
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	08/10/1999
Facility Record Updated:	True

Operator:	RICHARD DRAIZIN		
Emergency:	PETER F. HIGHES		
Emergency Tel:	(718) 678-8790	Old PBSNO:	Not reported
Facility Type:	Not reported		
Facility Owner:	BP SERVICE		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3394991
Owner:	VAN DAMELLY CORP.		
Owner Tel:	(516) 678-8790	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD OIL CO. 7 HAMPTON ROAD OCAENSIDE, NY 10572 PETER F. HUGES (516) 678-8790		
Owner Mark:	First Owner		
Certify Date:	02/03/1998	Expiration:	02/03/1998
Total Capacity (Gal):	10000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 937-7746

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Num of Active Tanks :	3
Facility Owner:	VAN DAMELLY CORP.
Facility Address:	48-02 VAN DAM STREET
	L.I.C., NY 11101
Owner Phone:	(516) 678-8790
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	04/07/1997
Facility Record Updated:	True

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	STAVROS VLACHOS. (718) 729-3442		
Emergency Contact:	STEVEN BATALAS (718) 729-7919		
Total Tanks:	4		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Owner Type:	Corporate/Commercial		
Owner Mark:	Fourth Owner		
Owner Subtype:	Not reported		
Mailing Address:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM ATTN: STAVROS VLACHOS 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101 (718) 729-3442		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	1	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10275	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	08/10/2004
Inspected Date:	Not reported	Inspector:	Not reported

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: RETAIL GASOLINE SALES
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 63
Region: 2

PBS OWNHIST
Operator: BULL CONSULTING, INC/
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: BP SERVICE STATION
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-3617868
Owner: VAN DAMLY HOLDING CORP.
Owner Tel: (914) 253-8945 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO., INC.
BP SERVICE STATION - CONST/MAINT BLDG.
1069 ISLIP AVENUE
CENTRAL ISLIP, NY 11722
PETER HUGHES
(516) 851-0068
Owner Mark: Second Owner
Certify Date: 04/07/2002 Expiration: 04/07/2002
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-8607
Num of Active Tanks : 3
Facility Owner: VAN DAMLY HOLDING CORP.
Facility Address: 287 BOWMAN AVENUE

PURCHASE, NY 10577
Owner Phone: (914) 253-8945
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 02/16/1999
Facility Record Updated: True

Operator: RAD PROPERTIES CORP.
Emergency: PETER F. HUGHES
Emergency Tel: (516) 372-2739 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: RAD PROPERTIES, COR. D.B.A. BP
Facility Address: 48-02 VAN DAM ST
48002 VAN DAM ST
LONG ISLAND CITY, NY 11101

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3417607
Owner:	RAD PROPERTIES CORP.		
Owner Tel:	(914) 701-2700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT. 1069 ISLIP AVENUE CENTRAL ISLIP, NY 11722 PETER F. HUGHES (516) 851-0068		
Owner Mark:	Third Owner		
Certify Date:	02/16/2004	Expiration:	02/16/2004
Total Capacity (Gal):	10275		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 937-8607
Num of Active Tanks :	4
Facility Owner:	RAD PROPERTIES CORP.
Facility Address:	287 BOWMAN AVENUE PURCHASE, NY 10577
Owner Phone:	(914) 701-2700
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	08/10/1999
Facility Record Updated:	True

Operator:	RICHARD DRAIZIN		
Emergency:	PETER F. HIGHES		
Emergency Tel:	(718) 678-8790	Old PBSNO:	Not reported
Facility Type:	Not reported		
Facility Owner:	BP SERVICE		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3394991
Owner:	VAN DAMELLY CORP.		
Owner Tel:	(516) 678-8790	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD OIL CO. 7 HAMPTON ROAD OCAENSIDE, NY 10572 PETER F. HUGES (516) 678-8790		
Owner Mark:	First Owner		
Certify Date:	02/03/1998	Expiration:	02/03/1998
Total Capacity (Gal):	10000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Facility Phone :	(718) 937-7746
Num of Active Tanks :	3
Facility Owner:	VAN DAMELLY CORP.
Facility Address:	48-02 VAN DAM STREET
	L.I.C., NY 11101
Owner Phone:	(516) 678-8790
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	04/07/1997
Facility Record Updated:	True

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
9 additional NY PBS record(s) in the EDR Site Report.

PBS AST:

PBS Number:	2-017485	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	RETAIL GASOLINE SALES		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	BULL CONSULTING INC 48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Owner Phone:	(718) 729-3442		
Facility Phone:	(718) 729-3442		
Operator:	STAVROS VLACHOS.		
Emergency Name:	STEVEN BATALAS		
Emergency Phone:	(718) 729-7919		
Total Tanks:	4		
Total Capacity:	10275		
Tank ID:	015		
Capacity (Gal):	275		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	USED OIL		
Tank Type:	Steel/carbon steel		
Install Date:	12/01/1995		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/NONE		
Pipe Type:	NONE		
Pipe Location:	None		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	None		
Dispenser Method:	None		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) U003178492

Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	BULL CONSULTING INC., D/B/A SHELL ON VAN DAM		
Mailing Address:	48-02 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Mailing Contact:	STAVROS VLACHOS		
Mailing Telephone:	(718) 729-3442		
Owner Mark:	Fourth Owner	Expiration Date:	08/10/2004
Certification Flag:	False	Certification Date:	02/29/2000
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS OWNHIST

Operator:	BULL CONSULTING, INC/		
Emergency:	PETER F. HUGHES		
Emergency Tel:	(516) 372-2739	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	BP SERVICE STATION		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3617868
Owner:	VAN DAMLY HOLDING CORP.		
Owner Tel:	(914) 253-8945	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD OIL CO., INC. BP SERVICE STATION - CONST/MAINT BLDG. 1069 ISLIP AVENUE CENTRAL ISLIP, NY 11722 PETER HUGHES (516) 851-0068		
Owner Mark:	Second Owner		
Certify Date:	04/07/2002	Expiration:	04/07/2002
Total Capacity (Gal):	10000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 937-8607
Num of Active Tanks :	3
Facility Owner:	VAN DAMLY HOLDING CORP.
Facility Address:	287 BOWMAN AVENUE PURCHASE, NY 10577
Owner Phone:	(914) 253-8945
Facility Status:	1
Certificate Needs Printed :	False

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	02/16/1999
Facility Record Updated:	True

Operator:	RAD PROPERTIES CORP.		
Emergency:	PETER F. HUGHES		
Emergency Tel:	(516) 372-2739	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	RAD PROPERTIES, COR. D.B.A. BP		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3417607
Owner:	RAD PROPERTIES CORP.		
Owner Tel:	(914) 701-2700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RAD ENERGY CORP. DEPT. CONSTRUCTION/MAINT. 1069 ISLIP AVENUE CENTRAL ISLIP, NY 11722 PETER F. HUGHES (516) 851-0068		
Owner Mark:	Third Owner		
Certify Date:	02/16/2004	Expiration:	02/16/2004
Total Capacity (Gal):	10275		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 937-8607
Num of Active Tanks :	4
Facility Owner:	RAD PROPERTIES CORP.
Facility Address:	287 BOWMAN AVENUE PURCHASE, NY 10577
Owner Phone:	(914) 701-2700
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	08/10/1999
Facility Record Updated:	True

Operator:	RICHARD DRAIZIN		
Emergency:	PETER F. HIGHES		
Emergency Tel:	(718) 678-8790	Old PBSNO:	Not reported
Facility Type:	Not reported		
Facility Owner:	BP SERVICE		
Facility Address:	48-02 VAN DAM ST 48002 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-3394991
Owner:	VAN DAMELLY CORP.		

BULL CONSULTING INC D/B/A SHELL-VAN DAM (Continued) **U003178492**

Owner Tel: (516) 678-8790
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: RAD OIL CO.
7 HAMPTON ROAD
OCAENSIDE, NY 10572
PETER F. HUGES
(516) 678-8790
Owner Mark: First Owner
Certify Date: 02/03/1998
Expiration: 02/03/1998
Total Capacity (Gal): 10000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 937-7746
Num of Active Tanks : 3
Facility Owner: VAN DAMELLY CORP.
Facility Address: 48-02 VAN DAM STREET
L.I.C., NY 11101
Owner Phone: (516) 678-8790
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 04/07/1997
Facility Record Updated: True

L47
East
1/8-1/4
1058 ft.

Relative:
Higher

Actual:
24 ft.

RAD OIL CORP - ATLANTIC S S **RCRA-SQG 1000871540**
48-02 VAN DAM ST **FINDS NY0000063255**
LONG ISLAND CITY, NY 11101

Site 2 of 4 in cluster L

RCRAInfo:
Owner: RAD OIL CORP
(516) 678-1111
EPA ID: NY0000063255
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

L48
East
1/8-1/4
1058 ft.

Relative:
Higher

Actual:
24 ft.

48-05 VAN DAM ST
48-05 VANDAM STREET
LONG ISLAND CITY, NY 11101

UST U001834697
N/A

Site 3 of 4 in cluster L

PBS UST:

PBS Number:	2-199370	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	JOSEPH J SARCONA TRUCKING CO (212) 751-4627		
Emergency Contact:	JOSEPH J SARCONA TRUCKING CO (718) 392-1860		
Total Tanks:	1		
Owner:	VAN DAM ASSOCIATES 60 EAST 56TH ST - 7TH FLOOR NEW YORK, NY 10022 (212) 751-4627		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	VAN DAM ASSOCIATES 60 EAST 56TH ST - 7TH FLOOR NEW YORK, NY 10022 (212) 751-4627		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	Not reported		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	3000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/20/1997
Old PBS Number:	Not reported	Expiration Date:	07/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

L49
East
1/8-1/4
1058 ft.

Relative:
Higher

Actual:
24 ft.

CON EDISON - VAN DAM ELECTRIC METER SHOP — **RCRA-SQG 1000912419**
48-05 VAN DAM ST — **FINDS NY0000693853**
LONG ISLAND CITY, NY 11101

Site 4 of 4 in cluster L

RCRAInfo:
Owner: CONSOLIDATED EDISON CO OF NY
(212) 460-4833
EPA ID: NY0000693853

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
NEW YORK-FACILITY INFORMATION SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

K50
WNW
1/8-1/4
1063 ft.

Relative:
Equal

Actual:
13 ft.

CLIPPER DIAMOND TOOL CO INC — **RCRA-SQG 1004756093**
47-16 AUSTELL PL - 3RD FLOOR — **FINDS NY0001037944**
LONG ISLAND CITY, NY 11101

Site 2 of 2 in cluster K

RCRAInfo:
Owner: CLIPPER DIAMOND TOOL CO INC
(718) 392-3671
EPA ID: NY0001037944

Contact: LEROY WALFORD
(718) 392-3671

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

M51
ESE
1/8-1/4
1072 ft.

Relative:
Higher

Actual:
24 ft.

ADS METAL PRODUCTS CO INC
48-31 VANDAM STREET
LONG ISLAND CITY, NY 11101

UST U000412371
N/A

Site 1 of 2 in cluster M

PBS UST:

PBS Number:	2-065099	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KURT KOPF (718) 392-3570		
Emergency Contact:	KURT KOPF (718) 457-9515		
Total Tanks:	0		
Owner:	RICHARD MILLER 74 VALENTINE STREET YONKERS, NY 10704 (914) 965-7086		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RICHARD MILLER 74 VALENTINE STREET YONKERS, NY 10704 (914) 965-7086		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	07/01/1953
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1988	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	01/14/1987
Old PBS Number:	Not reported	Expiration Date:	01/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

M52
ESE
1/8-1/4
1077 ft.

Relative:
Higher

Actual:
24 ft.

NATIONAL BRAID MANUFACTURING CORP.
48-34 VANDAM STREET
LONG ISLAND CITY, NY 11101

UST U003153132
N/A

Site 2 of 2 in cluster M

PBS UST:

PBS Number:	2-062871	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	LESLIE A SCHARIN (718) 392-0216		
Emergency Contact:	LESLIE A SCHARIN (718) 392-0216		
Total Tanks:	1		
Owner:	NATIONAL BRAID MANUFACTURING CORP. (LESLIE SCHARIN 48-34 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 392-0216		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LESLIE A SCHARIN 48-34 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 392-0216		
Tank Status:	In Service		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	10/01/1998	Next Test Date:	10/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/26/2001
Old PBS Number:	Not reported	Expiration Date:	01/14/2007
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

N53 **ABCO SUPPLY** LTANKS S103238396
SSE **49-70 31ST ST** N/A
1/8-1/4 **LONG ISLAND, NY**
1082 ft.

Site 1 of 2 in cluster N

Relative:
Equal

Actual:
13 ft.

LTANKS:

Spill Number:	9802259	Region of Spill:	2
Spill Date:	05/20/1998 14:45	Reported to Dept:	05/20/98 17:04
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Facility Contact:	JOE EPIFANE	Facility Tele:	(718) 937-9000
Investigator:	ZHAO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	JOE EPIFANE	Spiller Phone:	(718) 937-9000
Spiller:	ABCO SUPPLY		
Spiller Address:	49-70 31ST ST LONG ISLAND		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Tank Tester	PBS Number:	0-000000
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	False
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Record Last Update:	10/24/00
Is Updated:	False
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	05/20/98
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	00000000000
Test Method:	Horner EZ Check
Capacity of Failed Tank:	5000
Leak Rate Failed Tank:	-0.68
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	#2 FUEL OIL
Class Type:	Petroleum

ABCO SUPPLY (Continued) **S103238396**

Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 10/24/00 originally assigned to tomasello. reassigned to hao.
Spill Cause: CONTRACTOR BEING CALLED IN TO LOCATE PROBLEM WITH TANK-SOIL TO BE STOCKP ILED FOR CLEAN UP. HOWARD KATZ 2ND CONTACT PERSON 718-937-9000.

O54
East
1/8-1/4
1105 ft.

Relative:
Higher

Actual:
25 ft.

FEDERAL EXPRESS **RCRA-SQG 1000212462**
47-50 VAN DAM STREET **FINDS NYD072748601**
LONG ISLAND CITY, NY 11101 **UST**

Site 1 of 2 in cluster O

RCRAInfo:
Owner: FEDERAL EXPRESS CORP
(212) 555-1212
EPA ID: NYD072748601

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

PBS UST:

PBS Number:	2-477613	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	FEDERAL EXPRESS CORPORATION (201) 682-3747		
Emergency Contact:	BOB LANDANO (201) 682-3747		
Total Tanks:	0		
Owner:	FEDERAL EXPRESS CORPORATION ONE CENTURY DRIVE PARSIPPANY, NJ 07054 (201) 682-3747		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FEDERAL EXPRESS CORPORATION ONE CENTURY DRIVE PARSIPPANY, NJ 07054 (201) 682-3747		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1979
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		

FEDERAL EXPRESS (Continued) **1000212462**

Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/05/1994
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

O55
East
1/8-1/4
1113 ft.

Relative:
Higher

Actual:
24 ft.

QUALITY HOUSE OF GRAPHICS **RCRA-SQG 1000286878**
47-47 VAN DAM ST **FINDS NYD002025427**
LONG ISLAND CITY, NY 11101

Site 2 of 2 in cluster O

RCRAInfo:

Owner: AZED ASLANIAN
(212) 555-1212
EPA ID: NYD002025427

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/30/1985
Actual Date Achieved Compliance:	06/13/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/13/1986
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860613

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

QUALITY HOUSE OF GRAPHICS (Continued) **1000286878**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
NEW YORK-FACILITY INFORMATION SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

P56
SW
1/8-1/4
1136 ft.

Relative:
Lower

Actual:
8 ft.

WALDES TRUARC INCORPORATED
29-01 BORDEN AVENUE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000188524
FINDS NYD981182801

Site 1 of 3 in cluster P

RCRAInfo:
Owner: WALDES TRUARC INC
(212) 555-1212
EPA ID: NYD981182801

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/22/1986
Actual Date Achieved Compliance:	08/13/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/19/1986
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860813

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

P57
SW
1/8-1/4
1136 ft.

Relative:
Lower

Actual:
8 ft.

29-01 BORDEN AVE
29-01 BORDEN AVE
LONG ISLAND CITY, NY 11101

UST U000407274
N/A

Site 2 of 3 in cluster P

PBS UST:

PBS Number:	2-304263	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	29-01 BORDEN REALTY CO., LLC (212) 751-4627		
Emergency Contact:	29-01 BORDEN REALTY CO., LLC (212) 751-4627		
Total Tanks:	2		
Owner:	29-01 BORDEN REALTY CO., LLC		

29-01 BORDEN AVE (Continued) U000407274

60 EAST 56TH ST 7TH FL
NY, NY 10022
(212) 751-4627

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	29-01 BORDEN REALTY CO 60 EAST 56TH ST 7TH FL NY, NY 10022 (212) 751-4627		
Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	04/01/1957
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	03/01/1998	Next Test Date:	03/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/29/1998
Old PBS Number:	Not reported	Expiration Date:	10/23/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-304263	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	29-01 BORDEN REALTY CO., LLC (212) 751-4627		
Emergency Contact:	29-01 BORDEN REALTY CO., LLC (212) 751-4627		
Total Tanks:	2		
Owner:	29-01 BORDEN REALTY CO., LLC 60 EAST 56TH ST 7TH FL NY, NY 10022 (212) 751-4627		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	29-01 BORDEN REALTY CO		

29-01 BORDEN AVE (Continued) **U000407274**

60 EAST 56TH ST 7TH FL
NY, NY 10022
(212) 751-4627

Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	04/01/1957
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	03/01/1998	Next Test Date:	03/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	10000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/29/1998
Old PBS Number:	Not reported	Expiration Date:	10/23/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

P58 **WARNER LAMBERT COMPANY** **RCRA-SQG 1000312933**
SW **2901 BORDEN AVENUE** **FINDS NYD072756414**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1136 ft.

Site 3 of 3 in cluster P

Relative:
Lower

Actual:
8 ft.

RCRAInfo:

Owner:	Not reported
EPA ID:	NYD072756414
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

WARNER LAMBERT COMPANY (Continued) **1000312933**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Q59 **HONEY FASHIONS, LTD.** **UST** **U001836260**
West **27-11 49TH AVE** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1145 ft.

Site 1 of 6 in cluster Q

Relative:
Equal

Actual:
13 ft.

PBS UST:

PBS Number:	2-318159	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	HONEY FASHIONS (718) 472-9100		
Emergency Contact:	MORRIS SADICARIO (718) 472-9100		
Total Tanks:	0		
Owner:	HONEY FASHIONS, LTD. 27-11 49TH AVENUE LONG ISLAND CITY, NY 00000 (718) 686-4424		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	PREMIER ENVIROMENTAL SERVICES, INC. ATTN: KRISTEN LEE WOLANSKY P.O. BOX 429 131 WOOD AVENUE MIDDLESEX, NJ 08846 (732) 560-5900		
Tank Status:	Closed - Removed		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	08/01/1970
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Submersible
Date Tested:	12/01/1992	Next Test Date:	Not reported
Date Closed:	06/01/1998	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/12/1998
Old PBS Number:	Not reported	Expiration Date:	04/21/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		

HONEY FASHIONS, LTD. (Continued) **U001836260**

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	RUSS TOGS, INC		
Emergency:	C. ECHEVARIA		
Emergency Tel:	(718) 446-3869	Old PBSNO:	Not reported
Facility Type:	MANUFACTURING		
Facility Owner:	RUSS TOGS, INC		
Facility Address:	27-11 49TH AVE 27011 49TH AVE LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-1810916
Owner:	RUSS TOGS, INC		
Owner Tel:	(212) 768-6354	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	RUSS TOGS, INC 27-11 49TH AVE LONG ISLAND CITY, NY 11101 Not reported (212) 768-6354		
Owner Mark:	First Owner		
Certify Date:	07/20/1997	Expiration:	07/20/1997
Total Capacity (Gal):	5000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(212) 768-6354		
Num of Active Tanks :	1		
Facility Owner:	RUSS TOGS, INC		
Facility Address:	27-11 49TH AVE LONG ISLAND CITY, NY 11101		
Owner Phone:	(212) 768-6354		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	04/21/1994		
Facility Record Updated:	True		

Q60
West
1/8-1/4
1145 ft.

Relative:
Equal

Actual:
13 ft.

27-11 49TH AVENUE REALTY LLC
27-11 49TH AVE
LONG ISLAND CITY, NY 11101

Site 2 of 6 in cluster Q

RCRA-SQG 1006817480
FINDS NYR000115949

27-11 49TH AVENUE REALTY LLC (Continued) **1006817480**

RCRAInfo:
Owner: 27-11 49TH AVENUE REALTY LLC
(718) 361-2550
EPA ID: NYR000115949
Contact: RAFAEL ZAMOT
(718) 361-2550
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Q61
West
1/8-1/4
1145 ft.

Relative:
Equal

Actual:
13 ft.

BLACK BEAR COMPANY UST **U001841094**
27-10 49TH AVENUE **N/A**
LONG ISLAND CITY, NY 11101

Site 3 of 6 in cluster Q

PBS UST:

PBS Number:	2-483192	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KINLOCH CO INC (718) 784-7330		
Emergency Contact:	WALTER SPREEN (718) 331-5003		
Total Tanks:	0		
Owner:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	OTHER
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction

BLACK BEAR COMPANY (Continued) **U001841094**

Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/26/1990
Old PBS Number:	Not reported	Expiration Date:	11/20/1995
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-483192	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KINLOCH CO INC (718) 784-7330		
Emergency Contact:	WALTER SPREEN (718) 331-5003		
Total Tanks:	0		
Owner:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported

BLACK BEAR COMPANY (Continued) **U001841094**

Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/26/1990
Old PBS Number:	Not reported	Expiration Date:	11/20/1995
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-483192	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KINLOCH CO INC (718) 784-7330		
Emergency Contact:	WALTER SPREEN (718) 331-5003		
Total Tanks:	0		
Owner:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/26/1990
Old PBS Number:	Not reported	Expiration Date:	11/20/1995
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		

BLACK BEAR COMPANY (Continued) U001841094

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-483192	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KINLOCH CO INC (718) 784-7330		
Emergency Contact:	WALTER SPREEN (718) 331-5003		
Total Tanks:	0		
Owner:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/26/1990
Old PBS Number:	Not reported	Expiration Date:	11/20/1995
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-483192	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301

BLACK BEAR COMPANY (Continued) **U001841094**

Operator:	KINLOCH CO INC (718) 784-7330		
Emergency Contact:	WALTER SPREEN (718) 331-5003		
Total Tanks:	0		
Owner:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	KINLOCH CO INC 27-10 HUNTERS POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/26/1990
Old PBS Number:	Not reported	Expiration Date:	11/20/1995
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
2 additional NY PBS record(s) in the EDR Site Report.

Q62
West
1/8-1/4
1146 ft.

Relative:
Equal

Actual:
13 ft.

BLACK BEAR COMPANY
27-10 HUNTERS POINT BOULEVARD
LONG ISLAND CITY, NY 11101

UST **U002259216**
N/A

Site 4 of 6 in cluster Q

PBS UST:

PBS Number:	2-452335	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	BLACK BEAR (718) 784-7330		
Emergency Contact:	MR. LENNY TRUBIA (718) 326-2465		
Total Tanks:	2		
Owner:	KINLOCH COMPANY INC. 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BLACK BEAR COMPANY INC. ATTN: MR. DEREK CHOU 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/21/2000
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS Number:	2-452335	CBS Number:	Not reported

BLACK BEAR COMPANY (Continued) **U002259216**

SPDES Number:	Not reported	SWIS ID:	6301
Operator:	BLACK BEAR (718) 784-7330		
Emergency Contact:	MR. LENNY TRUBIA (718) 326-2465		
Total Tanks:	2		
Owner:	KINLOCH COMPANY INC. 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BLACK BEAR COMPANY INC. ATTN: MR. DEREK CHOU 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/21/2000
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-452335	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	BLACK BEAR (718) 784-7330		
Emergency Contact:	MR. LENNY TRUBIA (718) 326-2465		
Total Tanks:	2		

BLACK BEAR COMPANY (Continued) **U002259216**

Owner:	KINLOCH COMPANY INC. 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BLACK BEAR COMPANY INC. ATTN: MR. DEREK CHOU 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/21/2000
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-452335	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	BLACK BEAR (718) 784-7330		
Emergency Contact:	MR. LENNY TRUBIA (718) 326-2465		
Total Tanks:	2		
Owner:	KINLOCH COMPANY INC. 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		

BLACK BEAR COMPANY (Continued) U002259216

Owner Subtype:	Not reported		
Mailing Address:	BLACK BEAR COMPANY INC. ATTN: MR. DEREK CHOU 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/21/2000
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-452335	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	BLACK BEAR (718) 784-7330		
Emergency Contact:	MR. LENNY TRUBIA (718) 326-2465		
Total Tanks:	2		
Owner:	KINLOCH COMPANY INC. 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BLACK BEAR COMPANY INC. ATTN: MR. DEREK CHOU 27-10 HUNTERS POINT BOULEVARD LONG ISLAND CITY, NY 11101 (718) 784-7330		

BLACK BEAR COMPANY (Continued) **U002259216**

Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/21/2000
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
2 additional NY PBS record(s) in the EDR Site Report.

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63 **WARNER LAMBERT CO** **RCRA-SQG 1000312930**
NNE **30-30 THOMPSON AVE** **FINDS NYD001646843**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1150 ft.

Relative:
Higher

Actual:
21 ft.

RCRAInfo:

Owner:	Not reported
EPA ID:	NYD001646843
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

WARNER LAMBERT CO (Continued) 1000312930

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Q64 **UNITED PARCEL SERVICE INCORPORATED UPS** RCRA-SQG 1000398418
West **49-10 27TH STREET** FINDS NYD136092939
1/8-1/4 **LONG ISLAND CITY, NY 11101** NY Spills
1178 ft.

Site 5 of 6 in cluster Q

Relative:
Equal

Actual:
13 ft.

RCRAInfo:
Owner: UNITED PARCEL SERVICE
(212) 555-1212
EPA ID: NYD136092939

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SPILLS:

Spill Number:	9307053	Region of Spill:	2
Spill Date:	06/21/93	Reported to Dept:	/ /
ID:	188620		
Date Call Received:	09/09/93		
Region Close Date :	03/31/95		
Material Spilled:	GASOLINE	Amount Spilled:	0 lbs.
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Spill Cause:	Other	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9307053	Region of Spill:	2
Spill Date:	06/21/1993 11:00	Reported to Dept:	09/09/93 16:26
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Cause:	Other	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	(212) 631-6444
Investigator:	TIBBE	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported

UNITED PARCEL SERVICE INCORPORATED UPS (Continued) **1000398418**

PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: UPS/UNITED PARCELS SERVIC
Spiller Address: Not reported
DEC Remarks : 10/10/95: This is additional information about material spilled from the translation of the old spill file: TANK REMOVAL/GAS/. SEEFILE.
Remark: STOCK PILED.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Pounds
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329

Spill Closed Dt: 03/31/95
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: 03/31/95
Last Inspection: / / Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 07/16/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/13/93
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

R65 **GREEN SERVICE STA** **LTANKS** **S106703261**
SE **49001 VAN DAM** **N/A**
1/8-1/4 **NYC, NY**
1180 ft.

Site 1 of 4 in cluster R

Relative:
Higher

Actual:
18 ft.

LTANKS:
Spill Number: 8804104
Spill Date: 08/09/1988 16:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: Groundwater

Region of Spill: 2
Reported to Dept: 08/10/88 09:26
Date Call Received:Not reported
Amount Spilled: Not reported

Spill Source: Other Commercial/Industrial

GREEN SERVICE STA (Continued) S106703261

Spill Cause: Tank Test Failure
Facility Contact: Not reported Facility Tele: Not reported
Investigator: SULLIVAN SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: 2-194581
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/23/88
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: -1
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: Not reported

Spill Number: 8804104 Region of Spill: 2
Spill Date: 08/09/88 Reported to Dept: / /
ID: 122077 Date Call Received: 08/10/88
Material Spilled: GASOLINE Amount Spilled: 0 Gal.
Region Close Dt: Not closed
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affectd: Groundwater

GREEN SERVICE STA (Continued) **S106703261**

Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: UNKNOWN
PBS: Not reported
Tank Size: 0
Leak Rate: 0.00

R66 **4901 VAN DAM ST/MOBIL** **LTANKS** **S106703575**
SE **4901 VAN DAM ST/MOBIL** **N/A**
1/8-1/4 **LIC, NY**
1180 ft.

Site 2 of 4 in cluster R

Relative:
Higher

Actual:
18 ft.

LTANKS:
Spill Number: 9107165
Spill Date: 10/03/1991 13:50
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: TANG
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: MOBIL
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 10/03/91
Spill Notifier: Tank Tester
Cleanup Ceased: 10/03/91
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/07/91
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0

Region of Spill: 2
Reported to Dept: 10/03/91 14:52
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Gas Station
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

4901 VAN DAM ST/MOBIL (Continued) **S106703575**

Unknown Qty Recovered: False
Material: JET FUEL
Class Type: Petroleum
Chem Abstract Service Number: JET FUEL
Last Date: 07/28/1994
Num Times Material Entry In File: 1264
DEC Remarks: Not reported
Spill Cause: Not reported

Spill Number: 9107165
Spill Date: 10/03/91
ID: 160876
Material Spilled: JET FUEL
Region Close Dt: 10/03/91
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 10/03/91
Amount Spilled: Unknown Gal.
Spill Source: GASOLINE STATION
Tank Size: Not reported
Leak Rate: Not reported

R67 **LIC SERVICE STATION** **UST** **U002096613**
SE **49-01 VANDAM STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1180 ft.

Site 3 of 4 in cluster R

Relative:
Higher

Actual:
18 ft.

PBS UST:
PBS Number: 2-194581
SPDES Number: Not reported
Operator: ALEX JAVICH
(718) 786-7438
Emergency Contact: ALEX JAVICH
(516) 625-0401
Total Tanks: 3
Owner: LIC SERVICE STATION
49-01 VANDAM STREET
LONG ISLAND CITY, NY 11101
(718) 786-7438
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LIC SERVICE STATION
ATTN: ALEX JAVICH
49-01 VANDAM STREET
LONG ISLAND CITY, NY 11101
(718) 786-7438
Tank Status: Closed - Removed
Capacity (gals): 2000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE

CBS Number: Not reported
SWIS ID: 6301
Install Date: 02/01/1985
Product Stored: DIESEL
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

LIC SERVICE STATION (Continued) **U002096613**

Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renewal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/07/2000
Old PBS Number:	Not reported	Expiration Date:	11/22/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	ALEX JAVICH		
Emergency:	ALEX JAVICH		
Emergency Tel:	(718) 628-8434	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GREEN SERVICE STATION INC		
Facility Address:	49-01 VANDAM ST 49001 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	JEAN SATOSKI		
Owner Tel:	(516) 628-8434	Owner Type:	Private Resident
Owner Subtype:	Not reported		
Mail Address:	JEAN SATOSKI 3 MOUNTAIN AVE BAYVILLE, NY 11709 Not reported (516) 628-8434		
Owner Mark:	First Owner		
Certify Date:	12/22/1996	Expiration:	12/22/1996
Total Capacity (Gal):	9500		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 886-7438
Num of Active Tanks :	12
Facility Owner:	JEAN SATOSKI
Facility Address:	3 MOUNTAIN AVE BAYVILLE, NY 11709
Owner Phone:	(516) 628-8434
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True

LIC SERVICE STATION (Continued) **U002096613**

Dt Ownership Transfer Occurr in Computer : 11/22/1994
Facility Record Updated: True

PBS Number:	2-194581	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ALEX JAVICH (718) 786-7438		
Emergency Contact:	ALEX JAVICH (516) 625-0401		
Total Tanks:	3		
Owner:	LIC SERVICE STATION 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LIC SERVICE STATION ATTN: ALEX JAVICH 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	12/01/1994	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/07/2000
Old PBS Number:	Not reported	Expiration Date:	11/22/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	ALEX JAVICH		
Emergency:	ALEX JAVICH		
Emergency Tel:	(718) 628-8434	Old PBSNO:	Not reported

LIC SERVICE STATION (Continued) **U002096613**

Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GREEN SERVICE STATION INC		
Facility Address:	49-01 VANDAM ST 49001 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	JEAN SATOSKI		
Owner Tel:	(516) 628-8434	Owner Type:	Private Resident
Owner Subtype:	Not reported		
Mail Address:	JEAN SATOSKI 3 MOUNTAIN AVE BAYVILLE, NY 11709 Not reported (516) 628-8434		
Owner Mark:	First Owner		
Certify Date:	12/22/1996	Expiration:	12/22/1996
Total Capacity (Gal):	9500		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 886-7438		
Num of Active Tanks :	12		
Facility Owner:	JEAN SATOSKI		
Facility Address:	3 MOUNTAIN AVE BAYVILLE, NY 11709		
Owner Phone:	(516) 628-8434		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	11/22/1994		
Facility Record Updated:	True		

PBS Number:	2-194581	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ALEX JAVICH (718) 786-7438		
Emergency Contact:	ALEX JAVICH (516) 625-0401		
Total Tanks:	3		
Owner:	LIC SERVICE STATION 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LIC SERVICE STATION ATTN: ALEX JAVICH 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Tank Status:	Closed - Removed		

LIC SERVICE STATION (Continued) U002096613

Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1976
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	12/01/1994	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/07/2000
Old PBS Number:	Not reported	Expiration Date:	11/22/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	ALEX JAVICH		
Emergency:	ALEX JAVICH		
Emergency Tel:	(718) 628-8434	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GREEN SERVICE STATION INC		
Facility Address:	49-01 VANDAM ST 49001 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	JEAN SATOSKI		
Owner Tel:	(516) 628-8434	Owner Type:	Private Resident
Owner Subtype:	Not reported		
Mail Address:	JEAN SATOSKI 3 MOUNTAIN AVE BAYVILLE, NY 11709 Not reported (516) 628-8434		
Owner Mark:	First Owner		
Certify Date:	12/22/1996	Expiration:	12/22/1996
Total Capacity (Gal):	9500		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 886-7438		

LIC SERVICE STATION (Continued) U002096613

Num of Active Tanks :	12
Facility Owner:	JEAN SATOSKI
Facility Address:	3 MOUNTAIN AVE
	BAYVILLE, NY 11709
Owner Phone:	(516) 628-8434
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/22/1994
Facility Record Updated:	True

PBS Number:	2-194581	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ALEX JAVICH (718) 786-7438		
Emergency Contact:	ALEX JAVICH (516) 625-0401		
Total Tanks:	3		
Owner:	LIC SERVICE STATION 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LIC SERVICE STATION ATTN: ALEX JAVICH 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	12/01/1994	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/07/2000
Old PBS Number:	Not reported	Expiration Date:	11/22/2004
Inspected Date:	Not reported	Inspector:	Not reported

LIC SERVICE STATION (Continued) U002096613

Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	ALEX JAVICH		
Emergency:	ALEX JAVICH		
Emergency Tel:	(718) 628-8434	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GREEN SERVICE STATION INC		
Facility Address:	49-01 VANDAM ST 49001 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	JEAN SATOSKI		
Owner Tel:	(516) 628-8434	Owner Type:	Private Resident
Owner Subtype:	Not reported		
Mail Address:	JEAN SATOSKI 3 MOUNTAIN AVE BAYVILLE, NY 11709 Not reported (516) 628-8434		
Owner Mark:	First Owner		
Certify Date:	12/22/1996	Expiration:	12/22/1996
Total Capacity (Gal):	9500		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 886-7438
Num of Active Tanks :	12
Facility Owner:	JEAN SATOSKI
Facility Address:	3 MOUNTAIN AVE BAYVILLE, NY 11709
Owner Phone:	(516) 628-8434
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/22/1994
Facility Record Updated:	True

PBS Number:	2-194581	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ALEX JAVICH (718) 786-7438		
Emergency Contact:	ALEX JAVICH (516) 625-0401		
Total Tanks:	3		
Owner:	LIC SERVICE STATION 49-01 VANDAM STREET		

LIC SERVICE STATION (Continued) **U002096613**

LONG ISLAND CITY, NY 11101
(718) 786-7438

Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LIC SERVICE STATION ATTN: ALEX JAVICH 49-01 VANDAM STREET LONG ISLAND CITY, NY 11101 (718) 786-7438		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	12/01/1994	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/07/2000
Old PBS Number:	Not reported	Expiration Date:	11/22/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	ALEX JAVICH		
Emergency:	ALEX JAVICH		
Emergency Tel:	(718) 628-8434	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GREEN SERVICE STATION INC		
Facility Address:	49-01 VANDAM ST 49001 VAN DAM ST LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	JEAN SATOSKI		
Owner Tel:	(516) 628-8434	Owner Type:	Private Resident
Owner Subtype:	Not reported		
Mail Address:	JEAN SATOSKI 3 MOUNTAIN AVE		

LIC SERVICE STATION (Continued) **U002096613**

BAYVILLE, NY 11709
Not reported
(516) 628-8434
Owner Mark: First Owner
Certify Date: 12/22/1996 Expiration: 12/22/1996
Total Capacity (Gal): 9500
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 886-7438
Num of Active Tanks : 12
Facility Owner: JEAN SATOSKI
Facility Address: 3 MOUNTAIN AVE

BAYVILLE, NY 11709
Owner Phone: (516) 628-8434
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/22/1994
Facility Record Updated: True

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
10 additional NY PBS record(s) in the EDR Site Report.

N68 **JULES GOTTLIEB & G. MONCHER** **UST** **U003127873**
SSE **ABCO REFRIGERATION SUPPLY CORP.** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1187 ft.

Site 2 of 2 in cluster N

Relative:
Equal

Actual:
13 ft.

PBS UST:
PBS Number: 2-395315 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6301
Operator: ABCO REFRIGERATION SUPPLY CORP
(718) 937-9000
Emergency Contact: MICHAEL SENTER
(718) 937-9000
Total Tanks: 0
Owner: JULES GOTTLIEB & G. MONCHER
49-70 31ST STREET
LONG ISLAND CITY, NY 11101
(718) 937-9000
Owner Type: Private Resident
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: JULES GOTTLIEB & G MONCHER
ATTN: JULES GOTTLIEB AND G. MON
ABCO REFRIGERATION SUPPLY CORP.
49-70 31ST STREET
LONG ISLAND CITY, NY 11101
(718) 937-9000
Tank Status: Closed - In Place
Capacity (gals): 10000

JULES GOTTLIEB & G. MONCHER (Continued) **U003127873**

Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	12/01/1987	Next Test Date:	Not reported
Date Closed:	04/01/2000	Test Method:	TANK AUDITOR
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/15/1997
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

69
SSW
1/8-1/4
1215 ft.

NYSDOT CONTRACT 253037
29-00 BORDEN AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000791872
FINDS NYD987033982

Relative:
Lower

Actual:
10 ft.

RCRAInfo:
Owner: NYCDOT
(212) 566-6620
EPA ID: NYD987033982
Contact: HERBERT COLES
(718) 937-9055

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

NYSDOT CONTRACT 253037 (Continued) **1000791872**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

R70 **49-25 VAN DAMM STREET** LTANKS **S104513542**
SE **49-25 VAN DAMM STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY**
1233 ft.

Site 4 of 4 in cluster R

Relative:
Higher

Actual:
19 ft.

LTANKS:

Spill Number:	9206855	Region of Spill:	2
Spill Date:	09/14/1992 17:30	Reported to Dept:	09/14/92 17:58
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Gas Station
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	O'DOWD	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	11/16/92		
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Cleanup Ceased:	11/16/92		
Last Inspection:	/ /		

Cleanup Meets Standard:	True
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Record Last Update:	03/03/00
Is Updated:	False
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	09/18/92
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	0
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Pounds
Unknown Qty Spilled:	-1

49-25 VAN DAMM STREET (Continued) **S104513542**

Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: WILL UNCOVER/ISOLATE/RETEST

Spill Number: 9206855
Spill Date: 09/14/92
ID: 173903
Material Spilled: GASOLINE
Region Close Dt: 11/16/92
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 09/14/92
Amount Spilled: -1 lbs.
Spill Source: GASOLINE STATION
Tank Size: Not reported
Leak Rate: Not reported

S71 **QUEENSBORO CORRECTIONAL FCLITY** **UST** **U000409111**
ENE **47-04 VANDAM STREET** **N/A**
1/8-1/4 **L I C, NY 11101**
1236 ft.

Site 1 of 2 in cluster S

Relative: Higher

Actual: 21 ft.

PBS UST:
PBS Number: 2-350591
SPDES Number: Not reported
Operator: QUEENSBORO CRRCTNL FCLTY
(718) 361-8920
Emergency Contact: BRIAN FISCHER
(718) 361-8920
Total Tanks: 1
Owner: NYS DEPT CORR SVC
STATE OFF BLDG CAMPUS BLDG 2
ALBANY, NY 12226
(518) 435-9477
Owner Type: State Government
Owner Mark: First Owner
Owner Subtype: NYS Department of Corrective Services
Mailing Address: NYS DEPT CORR SVC
STATE OFF BLDG CAMPUS BLDG 2
ALBANY, NY 12226
(518) 435-9477
Tank Status: In Service
Capacity (gals): 8000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Fiberglass coated steel
Tank Internal: FIBERGLASS LINER [FRP]
Pipe Location: Underground
Tank External: FIBERGLASS
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE/VAULT
Leak Detection: OTHER

CBS Number: Not reported
SWIS ID: 6301
Install Date: 06/01/1988
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: FIBERGLASS [FRP]

QUEENSBORO CORRECTIONAL FCLITY (Continued) **U000409111**

Overfill Prot:	Product Level Gauge, Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/05/1998
Old PBS Number:	Not reported	Expiration Date:	06/28/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

Q72
West
1/8-1/4
1248 ft.

Relative:
Equal

Actual:
13 ft.

PUBLIC SERVICE TRUCK RENTING **RCRA-SQG 1001029171**
25-61 49TH AVE **FINDS NYS009000076**
LONG ISLAND CITY, NY 11101 **UST**

Site 6 of 6 in cluster Q

RCRAInfo:
Owner: PUBLIC SERVICE TRUCK RENTING
(718) 786-4000
EPA ID: NYS009000076

Contact: AL PLASS
(718) 786-4000

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

PBS UST:

PBS Number:	2-482536	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	PUBLIC SERVICE TRUCK RENTING (718) 786-4000		
Emergency Contact:	ALAN PLASS (631) 331-9857		
Total Tanks:	2		
Owner:	PUBLIC SERVICE TRUCK RENTING 25-61 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 786-4000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	PUBLIC SERVICE TRUCK RENTING ATTN: ALAN PLASS		

PUBLIC SERVICE TRUCK RENTING (Continued) **1001029171**

25-61 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 786-4000

Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	03/01/1990
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/15/2000
Old PBS Number:	Not reported	Expiration Date:	10/23/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS Number:	2-482536	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	PUBLIC SERVICE TRUCK RENTING (718) 786-4000		
Emergency Contact:	ALAN PLASS (631) 331-9857		
Total Tanks:	2		
Owner:	PUBLIC SERVICE TRUCK RENTING 25-61 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 786-4000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	PUBLIC SERVICE TRUCK RENTING ATTN: ALAN PLASS 25-61 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 786-4000		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		

PUBLIC SERVICE TRUCK RENTING (Continued) **1001029171**

Tank Id:	002	Install Date:	03/01/1990
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/15/2000
Old PBS Number:	Not reported	Expiration Date:	10/23/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

S73 **COLAHAN SAUNDERS** **RCRA-SQG 1005444309**
ENE **47-01 VAN DAM ST** **FINDS NYR000106294**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1252 ft.

Site 2 of 2 in cluster S

Relative:
Higher

Actual:
22 ft.

RCRAInfo:

Owner: KIL TORMER LLC
(718) 609-2200

EPA ID: NYR000106294

Contact: PETER BURKE
(718) 609-2200

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

T74
NW
1/8-1/4
1277 ft.

26-32 SKILLMAN AVE
LONG ISLAND CITY, NY

LTANKS **S105999403**
N/A

Site 1 of 2 in cluster T

Relative:
Lower

Actual:
12 ft.

LTANKS:

Spill Number:	0303917	Region of Spill:	2
Spill Date:	07/14/03	Reported to Dept:	/ /
ID:	20017	Date Call Received:	07/14/03
Material Spilled:	#4 FUEL OIL	Amount Spilled:	0 Gal.
Region Close Dt:	01/07/04		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	Not reported		

Spill Number:	0209560	Region of Spill:	2
Spill Date:	12/17/02	Reported to Dept:	/ /
ID:	41836	Date Call Received:	12/17/02
Material Spilled:	#6 FUEL OIL	Amount Spilled:	0 Gal.
Region Close Dt:	Not closed		
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	1	Tank Size:	6000
Test Method:	HORNER EZ CHECK	Leak Rate:	0.00
PBS:	Not reported		

T75
NW
1/8-1/4
1285 ft.

SATT REALTY CORP.
26-32 SKILLMAN AVENUE
LONG ISLAND CITY, NY 11101

UST **U001839678**
N/A

Site 2 of 2 in cluster T

Relative:
Equal

Actual:
13 ft.

PBS UST:

PBS Number:	2-349429	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	ANTHONY TRENTO % ERNEST TRENTO (718) 729-1552		
Emergency Contact:	ERNEST TRENTO (516) 671-2766		
Total Tanks:	1		
Owner:	ERNEST TRENTO 15 MICHAEL F STREET LOCUST VALLEY, NY 11560 (516) 671-2766		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	SATT REALTY CORP. 26-32 SKILLMAN AVENUE LONG ISLAND CITY, NY 11101 (718) 729-1552		
Tank Status:	In Service		
Capacity (gals):	6000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Stainless steel alloy	Product Stored:	NOS 1,2, OR 4 FUEL OIL

SATT REALTY CORP. (Continued) **U001839678**

Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	6000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/27/2000
Old PBS Number:	Not reported	Expiration Date:	10/26/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	GERARD F. HANRAHAR		
Emergency:	ANTHONY TRENTO SR		
Emergency Tel:	(516) 487-6342	Old PBSNO:	Not reported
Facility Type:	MANUFACTURING		
Facility Owner:	AMERICAN FEATHER CORP.		
Facility Address:	26-32 SKILLMAN AVE 26032 SKILLMAN AVE L I C, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	ANTHONY TRENTO SR		
Owner Tel:	(516) 487-6342	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	ANTHONY TRENTO SR 3654 PHEASANT RUM PALM CITY, FL 34990 Not reported (561) 286-1497		
Owner Mark:	First Owner		
Certify Date:	05/19/1998	Expiration:	05/19/1998
Total Capacity (Gal):	6000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 729-1552		
Num of Active Tanks :	1		
Facility Owner:	ANTHONY TRENTO SR		
Facility Address:	3 BETSY COURT		

SATT REALTY CORP. (Continued) **U001839678**

GREAT NECK, NY 11021
Owner Phone: (516) 487-6342
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 10/26/2000
Facility Record Updated: True

U76 **IKG INDUSTRIES** **RCRA-SQG 1000119430**
WSW **50-09 27TH STREET** **FINDS NYD980772487**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1291 ft.

Site 1 of 2 in cluster U

Relative:
Lower

Actual:
8 ft.

RCRAInfo:
Owner: HARSCO CORP
(212) 555-1212
EPA ID: NYD980772487

Contact: JOSEPH COLUMBO
(718) 729-8810

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 07/13/1994
Actual Date Achieved Compliance: 09/15/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/13/1994
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940915

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

U77 **PATENT CONSTRUCTION SYSTEMS** UST **U001838842**
WSW **50-09 27TH STREET** N/A
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1291 ft.

Site 2 of 2 in cluster U

Relative:
Lower

Actual:
8 ft.

PBS UST:

PBS Number:	2-005347	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	PATENT CONSTRUCTION SYSTEMS (718) 361-1866		
Emergency Contact:	KATHY RENNA (718) 323-3491		
Total Tanks:	0		
Owner:	HARSCO CORPORATION CAMP HILL CAMP HILL, PA 17011 (717) 763-7064		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	HARSCO CORPORATION CAMP HILL CAMP HILL, PA 17011 (717) 763-7064		
Tank Status:	Closed - In Place		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	02/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	05/01/1994	Next Test Date:	Not reported
Date Closed:	02/01/1998	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/03/1994
Old PBS Number:	Not reported	Expiration Date:	02/25/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS Number:	2-005347	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301

PATENT CONSTRUCTION SYSTEMS (Continued) **U001838842**

Operator:	PATENT CONSTRUCTION SYSTEMS (718) 361-1866		
Emergency Contact:	KATHY RENNA (718) 323-3491		
Total Tanks:	0		
Owner:	HARSCO CORPORATION CAMP HILL CAMP HILL, PA 17011 (717) 763-7064		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	HARSCO CORPORATION CAMP HILL CAMP HILL, PA 17011 (717) 763-7064		
Tank Status:	Closed - In Place		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	02/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	05/01/1994	Next Test Date:	Not reported
Date Closed:	02/01/1998	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/03/1994
Old PBS Number:	Not reported	Expiration Date:	02/25/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

V78 **GETTY PETROLEUM CORP** **RCRA-SQG 1000981333**
SE **4925 VAN DAM STREET** **FINDS NY0000968578**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1301 ft.

Site 1 of 2 in cluster V

Relative:
Higher

Actual:
20 ft.

GETTY PETROLEUM CORP (Continued) 1000981333

RCRAInfo:
Owner: GETTY PETROLEUM CORP
(516) 338-6000
EPA ID: NY0000968578
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

V79 **GETTY # 00219** **UST U000403448**
SE **49-25 VAN DAM STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
1301 ft.

Site 2 of 2 in cluster V

Relative:
Higher

Actual:
20 ft.

PBS UST:

PBS Number:	2-151424	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	CHAN YANG (718) 786-6336		
Emergency Contact:	LUIS OCHOTORENA (718) 729-6500		
Total Tanks:	4		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	CATAPANO ENGINEERING, PC ATTN: JOHN V. CATAPANO, PE 125 BAYLIS ROAD MELVILLE, NY 11747 (613) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	04/01/1966
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction

GETTY # 00219 (Continued) U000403448

Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	11/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	11/23/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	LUIS OCHOTORENA		
Emergency:	LUIS OCHOTORENA		
Emergency Tel:	(718) 729-6500	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GETTY # 00219		
Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2001948
Owner:	CHAN YANG		
Owner Tel:	(718) 729-6500	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	GETTY PETROLEUM CORPORATION 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 LUIS OCHOTORENA (718) 729-6500		
Owner Mark:	First Owner		
Certify Date:	08/26/2002	Expiration:	08/26/2002
Total Capacity (Gal):	16000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 729-6500
Num of Active Tanks :	4
Facility Owner:	CHAN YANG
Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101
Owner Phone:	(718) 729-6500
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/23/1999
Facility Record Updated:	True

GETTY # 00219 (Continued) **U000403448**

PBS Number:	2-151424	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	CHAN YANG (718) 786-6336		
Emergency Contact:	LUIS OCHOTORENA (718) 729-6500		
Total Tanks:	4		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	CATAPANO ENGINEERING, PC ATTN: JOHN V. CATAPANO, PE 125 BAYLIS ROAD MELVILLE, NY 11747 (613) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	04/01/1966
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	11/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	11/23/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	LUIS OCHOTORENA		
Emergency:	LUIS OCHOTORENA		
Emergency Tel:	(718) 729-6500	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GETTY # 00219		

GETTY # 00219 (Continued) **U000403448**

Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2001948
Owner:	CHAN YANG		
Owner Tel:	(718) 729-6500	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	GETTY PETROLEUM CORPORATION 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 LUIS OCHOTORENA (718) 729-6500		
Owner Mark:	First Owner		
Certify Date:	08/26/2002	Expiration:	08/26/2002
Total Capacity (Gal):	16000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 729-6500		
Num of Active Tanks :	4		
Facility Owner:	CHAN YANG		
Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Owner Phone:	(718) 729-6500		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	11/23/1999		
Facility Record Updated:	True		

PBS Number:	2-151424	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	CHAN YANG (718) 786-6336		
Emergency Contact:	LUIS OCHOTORENA (718) 729-6500		
Total Tanks:	4		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	CATAPANO ENGINEERING, PC ATTN: JOHN V. CATAPANO, PE 125 BAYLIS ROAD MELVILLE, NY 11747 (613) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	04/01/1966

GETTY # 00219 (Continued) **U000403448**

Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	11/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	11/23/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	LUIS OCHOTORENA		
Emergency:	LUIS OCHOTORENA		
Emergency Tel:	(718) 729-6500	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GETTY # 00219		
Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2001948
Owner:	CHAN YANG		
Owner Tel:	(718) 729-6500	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	GETTY PETROLEUM CORPORATION 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 LUIS OCHOTORENA (718) 729-6500		
Owner Mark:	First Owner		
Certify Date:	08/26/2002	Expiration:	08/26/2002
Total Capacity (Gal):	16000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6301		
Facility Phone :	(718) 729-6500		
Num of Active Tanks :	4		
Facility Owner:	CHAN YANG		
Facility Address:	49-25 VAN DAM STREET		

GETTY # 00219 (Continued) **U000403448**

LONG ISLAND CITY, NY 11101

Owner Phone:	(718) 729-6500
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/23/1999
Facility Record Updated:	True

PBS Number:	2-151424	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	CHAN YANG (718) 786-6336		
Emergency Contact:	LUIS OCHOTORENA (718) 729-6500		
Total Tanks:	4		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	CATAPANO ENGINEERING, PC ATTN: JOHN V. CATAPANO, PE 125 BAYLIS ROAD MELVILLE, NY 11747 (613) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	04/01/1966
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	11/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	11/23/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		

GETTY # 00219 (Continued) **U000403448**

Town or City Code: 01
County Code: 63
Region: 2

PBS OWNHIST

Operator: LUIS OCHOTORENA
Emergency: LUIS OCHOTORENA
Emergency Tel: (718) 729-6500 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: GETTY # 00219
Facility Address: 49-25 VAN DAM STREET
LONG ISLAND CITY, NY 11101
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 11-2001948
Owner: CHAN YANG
Owner Tel: (718) 729-6500 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: GETTY PETROLEUM CORPORATION
30-23 GREENPOINT AVENUE
LONG ISLAND CITY, NY 11101
LUIS OCHOTORENA
(718) 729-6500
Owner Mark: First Owner
Certify Date: 08/26/2002 Expiration: 08/26/2002
Total Capacity (Gal): 16000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6301
Facility Phone : (718) 729-6500
Num of Active Tanks : 4
Facility Owner: CHAN YANG
Facility Address: 49-25 VAN DAM STREET

LONG ISLAND CITY, NY 11101
Owner Phone: (718) 729-6500
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/23/1999
Facility Record Updated: True

PBS Number: 2-151424 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6301
Operator: CHAN YANG
(718) 786-6336
Emergency Contact: LUIS OCHOTORENA
(718) 729-6500
Total Tanks: 4
Owner: LEEMILTS PETROLEUM INC
125 JERICHO TURNPIKE
JERICHO, NY 11753
(516) 338-6000
Owner Type: Not reported
Owner Mark: Second Owner
Owner Subtype: Not reported

GETTY # 00219 (Continued) **U000403448**

Mailing Address:	CATAPANO ENGINEERING, PC ATTN: JOHN V. CATAPANO, PE 125 BAYLIS ROAD MELVILLE, NY 11747 (613) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	04/01/1966
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	10/01/1991	Next Test Date:	Not reported
Date Closed:	11/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	11/23/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

PBS OWNHIST

Operator:	LUIS OCHOTORENA		
Emergency:	LUIS OCHOTORENA		
Emergency Tel:	(718) 729-6500	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	GETTY # 00219		
Facility Address:	49-25 VAN DAM STREET LONG ISLAND CITY, NY 11101		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2001948
Owner:	CHAN YANG		
Owner Tel:	(718) 729-6500	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	GETTY PETROLEUM CORPORATION 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 LUIS OCHOTORENA (718) 729-6500		
Owner Mark:	First Owner		
Certify Date:	08/26/2002	Expiration:	08/26/2002
Total Capacity (Gal):	16000		

GETTY # 00219 (Continued) **U000403448**

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6301
Facility Phone :	(718) 729-6500
Num of Active Tanks :	4
Facility Owner:	CHAN YANG
Facility Address:	49-25 VAN DAM STREET
	LONG ISLAND CITY, NY 11101
Owner Phone:	(718) 729-6500
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/23/1999
Facility Record Updated:	True

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
13 additional NY PBS record(s) in the EDR Site Report.

W80 **47-22 PEARSON PL/QUEENS** **LTANKS S102659880**
WNW **47-22 PEARSON PLACE** **NY Spills N/A**
1/4-1/2 **NEW YORK CITY, NY**
1359 ft.

Site 1 of 2 in cluster W

Relative:
Higher

Actual:
15 ft.

SPILLS:

Spill Number:	9206718	Region of Spill:	2
Spill Date:	09/10/92	Reported to Dept:	/ /
ID:	Not reported		
Date Call Received:	09/10/92		
Region Close Date :	07/29/93		
Material Spilled:	#2 Fuel Oil	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Spill Cause:	Tank Test Failure	Resource Affected:	Not reported
Tank Number:	Not reported	Tank Size :	0
Test Method:	UNKNOWN	Leak Rate:	0.00

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access
additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number:	9206718	Region of Spill:	2
Spill Date:	09/10/1992 12:00	Reported to Dept:	09/10/92 13:30
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	BATTSTA	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported

47-22 PEARSON PL/QUEENS (Continued) **S102659880**

Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/29/93
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: 07/29/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/29/93
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/14/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 07/29/93: AIR TEST PASSED PRECISION RETEST WITH WATER PASSED CLOSED IN P LACE WITH FOAM SEE K ODOWDS LETTER 4722P.
Spill Cause: TO PUMP TANK OUT INVEST POLL AIR POCKET.

Spill Number: 9206718 Region of Spill: 2
Spill Date: 09/10/92 12:00 Reported to Dept: 09/10/92 01:30
ID: Not reported Date Call Received: 09/10/92
Material Spilled: #2 Fuel Oil Amount Spilled: -1 lbs.
Region Close Dt: 07/29/93
Water Affected: Not reported Spill Source: COMMERCIAL/INDUSTRIAL
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported Tank Size: 0
Test Method: UNKNOWN Leak Rate: 0.00

47-22 PEARSON PL/QUEENS (Continued) **S102659880**

PBS: Not reported

W81 **ON SIDEWALK** **LTANKS** **S105995094**
WNW **47-15 PEARSON PL** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
1400 ft.

Site 2 of 2 in cluster W

Relative:
Higher

Actual:
15 ft.

LTANKS:

Spill Number:	0110585	Region of Spill:	2
Spill Date:	02/05/02	Reported to Dept:	/ /
ID:	28554	Date Call Received:	02/05/02
Material Spilled:	#4 FUEL OIL	Amount Spilled:	12 Gal.
Region Close Dt:	07/31/03		
Water Affected:	Not reported	Spill Source:	TANK TRUCK
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	Not reported		

---

82 **49-01 VAN DAM STREET** **LTANKS** **S101341162**
SE **49001 VAN DAM STREET** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
1450 ft.

Relative:
Higher

Actual:
20 ft.

LTANKS:

Spill Number:	9410908	Region of Spill:	2
Spill Date:	11/15/1994 15:00	Reported to Dept:	11/15/94 16:22
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Gas Station
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MILLER	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	JEAN SATOSKI-OWNER		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	True		
Spill Record Last Update:	07/05/95		

49-01 VAN DAM STREET (Continued) S101341162

Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/12/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: DISCOVERED IN TANK PULL

Spill Number: 9410908
Spill Date: 11/15/94
ID: 207989
Material Spilled: GASOLINE
Region Close Dt: Not closed
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/15/94
Amount Spilled: Unknown Gal.
Spill Source: GASOLINE STATION
Tank Size: Not reported
Leak Rate: Not reported

---

83 SSW 1/4-1/2 1505 ft. **20-90 REVIEW AVENUE**
20090 REVIEW AVENUE
QUEENS, NY

LTANKS S100879318
N/A

Relative: Lower

Actual: 7 ft.

LTANKS:
Spill Number: 9313946
Spill Date: 02/26/1994 10:15
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: 02/26/94 10:35
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

20-90 REVIEW AVENUE (Continued) **S100879318**

Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/10/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: INCONCLUSIVE TEST RESULT TO REPAIR RETEST - CALLED AGAIN AT 1300 OTHER 4 000 GAL TANK ALSO FAILED MAJOR EXCAVATION.

Spill Number: 9313946 Region of Spill: 2
Spill Date: 02/26/94 Reported to Dept: / /
ID: 195510 Date Call Received:02/26/94
Material Spilled: DIESEL Amount Spilled: -1 lbs.
Region Close Dt: Not closed
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affecld: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported
PBS: Not reported

84
NE
1/4-1/2
1510 ft.

LAGUARDIA COMM COLLEGE
31-10 THOMSON AV
LONG ISLAND CITY, NY

LTANKS **S105995066**
N/A

Relative:
Higher

Actual:
25 ft.

LTANKS:

Spill Number:	0110443	Region of Spill:	2
Spill Date:	01/31/02	Reported to Dept:	/ /
ID:	28383	Date Call Received:	01/31/02
Material Spilled:	#4 FUEL OIL	Amount Spilled:	7 Gal.
Region Close Dt:	01/31/02		
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	Not reported		

X85
East
1/4-1/2
1586 ft.

33-02 48TH AVE.
33-02 48TH AVE.
LONG ISLAND CITY, NY

LTANKS **S102671964**
N/A

Site 1 of 2 in cluster X

Relative:
Higher

Actual:
44 ft.

LTANKS:

Spill Number:	9208396	Region of Spill:	2
Spill Date:	10/21/1992 09:00	Reported to Dept:	10/21/92 12:21
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Tank Truck
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MITCHELL	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	12/01/92		
Spill Notifier:	Other	PBS Number:	Not reported
Cleanup Ceased:	12/01/92		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	12/02/92		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	10/23/92		
Date Region Sent Summary to Central Office:	/ /		
Tank Test:			

33-02 48TH AVE. (Continued) **S102671964**

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 50
Units: Gallons
Unknown Qty Spilled: 50
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: MOST CONTAINED IN MAN WAY FRANKLIN CO. IS DOING CLEANUP AREA WAS WORSE W HEN EXCAVATED,FEW YARDS OF SOIL REMOVED PIPING REPLACED

Spill Number: 9208396
Spill Date: 10/21/92
ID: 175421
Material Spilled: #4 FUEL OIL
Region Close Dt: 12/01/92
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received:10/21/92
Amount Spilled: 50 Gal.
Spill Source: TANK TRUCK
Tank Size: Not reported
Leak Rate: Not reported

X86 **RED WALLET COMPANY** **LTANKS S103238397**
ESE **48-14 33RD STREET** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
1587 ft.

Site 2 of 2 in cluster X

Relative:
Higher

Actual:
42 ft.

LTANKS:
Spill Number: 9802261
Spill Date: 05/20/1998 13:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: SAL
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: SAL NO LAST NAME
Spiller: RED WALLET COMPANY
Spiller Address: 48-14 33RD STREET

Region of Spill: 2
Reported to Dept: 05/20/98 17:36
Date Call Received:Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 937-0666
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (718) 937-0666

RED WALLET COMPANY (Continued) **S103238397**

LONG ISLAND CITY, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/21/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/20/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 1000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: tank failed the test

Spill Number: 9802261 Region of Spill: 2
Spill Date: 05/20/98 Reported to Dept: / /
ID: 260436 Date Call Received: 05/20/98
Material Spilled: #2 FUEL OIL Amount Spilled: 0 Gal.
Region Close Dt: Not closed
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: 1 Tank Size: 1000
Test Method: HORNER EZ CHECK Leak Rate: 0.00
PBS: Not reported

87
NE
1/4-1/2
1667 ft.

32-32 QUEENS BLVD/SUNOCO
32032 QUEENS BLVD
NEW YORK CITY, NY

LTANKS | S100145562 | N/A

Relative:
Higher

Actual:
32 ft.

LTANKS:

Spill Number:	8905358	Region of Spill:	2
Spill Date:	08/30/1989 15:15	Reported to Dept:	08/30/89 16:28
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Gas Station
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	SULLIVAN	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	SUNOCO AA		
Spiller Address:	Not reported		
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Tank Tester	PBS Number:	2-339741
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	True		
Spill Record Last Update:	07/03/95		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	08/31/89		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	0
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Not reported
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE
Last Date:	09/29/1994

32-32 QUEENS BLVD/SUNOCO (Continued) **S100145562**

Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 5) 550 GALLON TANKS FAILED PETRO TITE WITH A LEAK RATE OF 0.737GPH, WIL L EXCAVATE TEST 5) MORE TANKS ON 8/31/89.

Spill Number:	8905358	Region of Spill:	2
Spill Date:	08/30/89	Reported to Dept:	/ /
ID:	133437	Date Call Received:	08/30/89
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	Not closed		
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	2-339741		

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88 **VANDAM ST + L.I.E.** **LTANKS** **S102555957**
SSE **VANDAM ST + L.I.E.** **N/A**
1/4-1/2 **QUEENS, NY**
1712 ft.

Relative: **Higher**

Actual: **20 ft.**

LTANKS:

Spill Number:	9614770	Region of Spill:	2
Spill Date:	03/24/1997 11:00	Reported to Dept:	03/24/97 11:18
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Tank Truck
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	TOMASELLO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	CHANTEL VINCENT	Spiller Phone:	(718) 595-6777
Spiller:	UNKNOWN		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Local Agency	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	03/25/97		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	03/24/97		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

VANDAM ST + L.I.E. (Continued) **S102555957**

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 120
Units: Gallons
Unknown Qty Spilled: 120
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
DEC Remarks: Not reported
Spill Cause: FIRE DEPT ON SCENE - TANK RUPTURED ON TANK TRUCK - CALLER HAD NO FURTHER INFO

Spill Number: 9614770
Spill Date: 03/24/97
ID: 245667
Material Spilled: UNKNOWN PETROLEUM
Region Close Dt: 03/03/03
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 03/24/97
Amount Spilled: 120 Gal.
Spill Source: TANK TRUCK
Tank Size: Not reported
Leak Rate: Not reported

89
ESE
1/4-1/2
1804 ft.

FACTORY (UNKNOWN NAME)
33-20 HUNTERS POINT AVE
LONG ISLAND CITY, NY

LTANKS **S105998461**
N/A

Relative:
Higher

Actual:
34 ft.

LTANKS:
Spill Number: 0212574
Spill Date: 03/20/03
ID: 14895
Material Spilled: #2 FUEL OIL
Region Close Dt: 05/21/04
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: 1
Test Method: HORNER EZ CHECK
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 03/20/03
Amount Spilled: 0 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: 3000
Leak Rate: 0.00

90
SSE
1/4-1/2
1842 ft.

ACTIVE STEEL DRUM CO INC
52-30 34TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000265123
FINDS NYD003933355
CORRACTS

Relative:
Higher

Actual:
20 ft.

CORRACTS Data:

EPA Id:	NYD003933355
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/28/1995
Corrective Action:	CA050 - RFA Completed
2002 NAICS Title:	Not Reported

EPA Id:	NYD003933355
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/28/1995
Corrective Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
2002 NAICS Title:	Not Reported

EPA Id:	NYD003933355
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/19/1995
Corrective Action:	CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
2002 NAICS Title:	Not Reported

EPA Id:	NYD003933355
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/08/1993
Corrective Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
2002 NAICS Title:	Not Reported

EPA Id:	NYD003933355
Region:	2
Area Name:	SITEWIDE
Actual Date:	01/13/2004
Corrective Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
2002 NAICS Title:	Not Reported

RCRAInfo Corrective Action Summary:

Event:	CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date:	01/13/2004

ACTIVE STEEL DRUM CO INC (Continued) 1000265123

Event: RFA Completed
Event Date: 09/28/1995

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date: 09/28/1995

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
Event Date: 09/19/1995

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 09/08/1993

RCRAInfo:
Owner: BARRY K. FINE
(516) 665-4375
EPA ID: NYD003933355

Contact: BARRY K FINE
(718) 786-9300

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/13/1984
Actual Date Achieved Compliance: 05/13/1987

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/22/1987
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870513

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

91
ENE
1/4-1/2
1846 ft.

33-17 47TH AVE/QUEENS
33017 47TH AVENUE
NEW YORK CITY, NY

LTANKS
S100145738
N/A

Relative:
Higher

Actual:
40 ft.

LTANKS:

Spill Number:	8908620	Region of Spill:	2
Spill Date:	12/30/1989 16:00	Reported to Dept:	12/01/89 08:45
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	TOMASELLO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	TRANSPORTATION HOUSE		
Spiller Address:	3700 PARK EAST DRIVE CLEVELAND, OHIO 44122		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	True		
Spill Record Last Update:	07/03/95		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	12/06/89		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Not reported
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE

33-17 47TH AVE/QUEENS (Continued) **S100145738**

Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: / / : 6/22/95 -CURRENT OWNER LEASEWAY.
Spill Cause: DISCOVERED CONTAMINATED SOIL DURING REMOVAL OF TANK, EXCAVATED SOIL PLAC ED ON PLASTIC, TO HAUL OFF FOR DISPOSAL BY DIRECT ENVIRONMENTAL.

Spill Number:	8908620	Region of Spill:	2
Spill Date:	12/30/89	Reported to Dept:	/ /
ID:	136745	Date Call Received:	12/01/89
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	12/04/03		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	Not reported		

---

92 East 1/4-1/2 1850 ft. **CONSOLIDATD LAUNDRY - LIC** **LTANKS S102662546**
48-09 34TH STREET **N/A**
LIC, NY

Relative: Higher

Actual: 54 ft.

LTANKS:

Spill Number:	8908153	Region of Spill:	2
Spill Date:	11/10/1989 12:00	Reported to Dept:	11/16/89 08:47
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Non Major Facility > 1,100 gallons
Resource Affectd:	Groundwater		
Spill Cause:	Tank Overfill		
Facility Contact:	Not reported	Facility Tele:	(502) 584-6161
Investigator:	SIGONA	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported

Spiller: SPAULDING TEXTILE LEASING
Spiller Address: 836 S. 12TH STREET
LOUISVILLE, KY 40210
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/29/97
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 01/29/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/24/89

CONSOLIDATD LAUNDRY - LIC (Continued) **S102662546**

Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: 11/25/94: GROPUNDWATER MONITORING WELLS INSTALLED UNDER DEC SUPERVISION 04/09/90. LABORATORY RESULTS INDICATED MARGINAL CONTAMINATION.
Spill Cause: DISCOVERY OF CONTAMINATED SOIL - TWO 6K TKS, 50 YRS OLD - DISCOVERY OF P RODUCT RESULTS FROM BORINGS LAB ANALYSIS - TKS EMPTIED CLEANED, WISH TO CLOSE TKS.

Spill Number: 8908153
Spill Date: 11/10/89 12:00
ID: Not reported
Material Spilled: #6 Fuel Oil
Region Close Dt: 01/29/97
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Overfill
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: 11/16/89 08:47
Date Call Received: 11/16/89
Amount Spilled: -1 lbs.
Spill Source: NON MAJOR FACILITY 1,100 GAL
Tank Size: Not reported
Leak Rate: Not reported

---

93 ESE 1/4-1/2 1933 ft. **34-51 48TH ST/QUEENS** **34051 48TH STREET** **NEW YORK CITY, NY** **LTANKS** **S100146125** **N/A**

Relative: Higher

Actual: 49 ft.

LTANKS:
Spill Number: 9003618
Spill Date: 06/29/1990 14:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: 06/29/90 15:34
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

34-51 48TH ST/QUEENS (Continued) **S100146125**

Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: DAMART LEASING CO
Spiller Address: 34-51 48TH STREET
WOODSIDE, NY
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/02/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 2) 4K TANKS MANIFOLDED, FAILED SYSTEM PETRO TITE TEST WITH A GROSS LEAK, , SUSPECT AIR POCKET, WILL EXCAVATE, ISOLATE RETEST.

Spill Number: 9003618 Region of Spill: 2
Spill Date: 06/29/90 Reported to Dept: / /
ID: 144191 Date Call Received: 06/29/90
Material Spilled: GASOLINE Amount Spilled: -1 lbs.
Region Close Dt: 03/04/03
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported
PBS: Not reported

94 **GETTY #344** **LTANKS S104278677**
NNE **31-05 QUEENS BLVD** **NY Spills N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
1948 ft.

Relative:
Higher

Actual:
37 ft.

SPILLS:
Spill Number: 0410119 Region of Spill: 2
Spill Date: 12/11/04 Reported to Dept: Not reported
ID: 540
Date Call Received: 12/11/04
Region Close Date : Not Closed
Material Spilled: Gasoline Amount Spilled: 2 Gal.
Water Affected: Not reported Spill Source: GASOLINE STATION
Spill Cause: Traffic Accident Resource Affected: Soil
Tank Number: Not reported Tank Size : Not reported
Test Method: Not reported Leak Rate: Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9909630 Region of Spill: 2
Spill Date: 11/08/1999 15:00 Reported to Dept: 11/08/99 16:25
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported Spill Source: Gas Station
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported Facility Tele: Not reported
Investigator: O'DOWD SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: GETTY #344
Spiller Address: 31-05 QUEENS BLVD
LONG ISLAND CITY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: 2-145688
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/09/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/08/99
Date Region Sent Summary to Central Office: / /
Tank Test:

GETTY #344 (Continued) **S104278677**

PBS Number: Not reported
Tank Number: Not reported
Test Method: USTest 2000
Capacity of Failed Tank: 4000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: u/g tank failed test tyree to make repair retest to be schedule

Spill Number: 9909630
Spill Date: 11/08/99 03:00
ID: Not reported
Material Spilled: Gasoline
Region Close Dt: 12/02/04
Water Affected: Not reported
Resource Affectd: Soil
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: USTEST 2000/P/LL PLUS USTEST 2000/Ueak Rate: 0.00
PBS: Not reported
Region of Spill: 2
Reported to Dept: 11/08/99 04:25
Date Call Received: 11/08/99
Amount Spilled: 0 Gal.
Spill Source: GASOLINE STATION
Tank Size: 4000

Y95 **LTANKS** **S105997876**
WSW **25-19 BORDEN AV** **N/A**
1/4-1/2 **QUEENS, NY**
1974 ft.

Site 1 of 2 in cluster Y

Relative:
Higher

LTANKS:
Spill Number: 0210249
Spill Date: 01/10/03
ID: 12208
Material Spilled: #2 FUEL OIL
Region Close Dt: 03/18/04
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/10/03
Amount Spilled: 50 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: Not reported
Leak Rate: Not reported

Actual:
15 ft.

32-32 QUEENS BLVD (Continued) **S103478044**

Num Times Material Entry In File: 9509
DEC Remarks: 08/04/94: CROSS REFERENCE TO SPILL 8905358. 10/10/95: This is additiona
l information about material spilled from the translation of the old spi
ll file: TTF.
Spill Cause: WILL UNCOVER - RETEST - REPAIR -

Spill Number:	9309167	Region of Spill:	2
Spill Date:	10/28/93	Reported to Dept:	/ /
ID:	190758	Date Call Received:	10/28/93
Material Spilled:	WASTE OIL	Amount Spilled:	0 lbs.
Region Close Dt:	07/27/94		
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	Not reported	Tank Size:	0
Test Method:	UNKNOWN	Leak Rate:	0.00
PBS:	Not reported		

Y97 **MONTAUK STEEL** **LTANKS S104193017**
WSW **2520 BORDEN AVE** **NY Spills N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
2034 ft.

Site 2 of 2 in cluster Y

Relative:
Lower

Actual:
12 ft.

SPILLS:

Spill Number:	9904704	Region of Spill:	2
Spill Date:	07/20/99	Reported to Dept:	/ /
ID:	82899		
Date Call Received:	07/20/99		
Region Close Date :	12/12/01		
Material Spilled:	UNKNOWN PETROLEUM	Amount Spilled:	Unknown Gal.
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Spill Cause:	Unknown	Resource Affected:	On Land
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9904704	Region of Spill:	2
Spill Date:	07/20/1999 10:00	Reported to Dept:	07/20/99 13:00
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	MR GOLDSTEIN	Facility Tele:	(718) 784-8718
Investigator:	TOMASELLO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	CALLER	Spiller Phone:	(718) 533-8773
Spiller:	MONTAUK STEEL		
Spiller Address:	Not reported		

DEC Remarks : 12/01 SITE VISIT REVEALED NO CONTAMINATION, PID SCREENING CONFIRMED.
Remark: caller reports abandoned building which vagrant and youths are going in,
when pd went in they found machinery leaking and smell of fluids.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

MONTAUK STEEL (Continued) **S104193017**

Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: 12/12/01
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Record Last Update: 12/12/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/20/99
Date Region Sent Summary to Central Office: / /

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Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 0109751
Spill Date: 12/18/01
ID: 27592
Material Spilled: #2 FUEL OIL
Region Close Dt: 07/29/02
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/08/02
Amount Spilled: Unknown Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: Not reported
Leak Rate: Not reported

98
ENE
1/4-1/2
2168 ft.

DOT FACILITY
34-02 QUEENS BLVD.
QUEENS, NY

LTANKS **S106702416**
N/A

Relative:
Higher

Actual:
38 ft.

LTANKS:

Spill Number:	0404525	Region of Spill:	2
Spill Date:	07/27/04	Reported to Dept:	/ /
ID:	8850	Date Call Received:	07/27/04
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not closed		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	001	Tank Size:	10000
Test Method:	HORNER EZ CHECK	Leak Rate:	0.00
PBS:	Not reported		

99
South
1/4-1/2
2170 ft.

EMPORIA
53-26 VANDAM ST
QUEENS, NY

LTANKS **S104191933**
N/A

Relative:
Higher

Actual:
22 ft.

LTANKS:

Spill Number:	9906757	Region of Spill:	2
Spill Date:	09/05/1999 12:00	Reported to Dept:	09/07/99 11:31
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Gas Station
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	JESSIE	Facility Tele:	(718) 729-9480
Investigator:	TOMASELLO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	CALLER	Spiller Phone:	(718) 232-9218
Spiller:	EMPORIA		
Spiller Address:	Not reported		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Other	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	True		
Spill Record Last Update:	09/10/99		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	09/07/99		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

PBS Number:	Not reported

EMPORIA (Continued) S104191933

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CALLER REPORTS HE WAS INSTALLING A TANK AT ABOVE LOCATION AND FOUND CONT AMINATED SOIL.

Spill Number: 9906757
Spill Date: 09/05/99
ID: 85337
Material Spilled: GASOLINE
Region Close Dt: 03/04/03
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 09/07/99
Amount Spilled: 0 Gal.
Spill Source: GASOLINE STATION
Tank Size: Not reported
Leak Rate: Not reported

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100 SE 1/4-1/2 2186 ft. **LORI CONTRACTING PROCESSING FACILITY** SWF/LF S105841951
35-15 GALE AVENUE N/A
BLISSVILLE, NY 11222

Relative: Higher

Actual: 36 ft.

LF:
Secondary Addr : Not reported
Phone Number : 7187679700
Owner Type : Not reported
Owner Address : Not reported
Not reported
Not reported
Owner Email : Not reported
Contact Name : LOUIS SANZO
Contact Address : Not reported
Not reported
Not reported
Contact Email : Not reported
Activity Desc : C&D processing - registered
Activity Number : 41W43
Active : No
North Coordinate : Not reported
Regulatory Status Not reported
Waste Type : Not reported
Waste: Not reported
Authorization # : None

Region Code : Not reported
Owner Name : Not reported
Owner Phone : Not reported
Contact Phone : Not reported
Accuracy Code : Not reported
East Coordinate : Not reported
Authorization Date : Not reported

LORI CONTRACTING PROCESSING FACILITY (Continued) **S105841951**

Expiration Date : Not reported
Flag : INACTIVE

Z101 **FORMERLY ACCO BRANDS, INC.** VCP S104825350
NE **32-00 SKILLMAN AVENUE** N/A
1/4-1/2 **LONG ISLAND CITY, NY 11101**
2188 ft.

Site 1 of 3 in cluster Z

Relative:
Higher

NY VCP:
Facility ID : C241061

Actual:
29 ft.

Z102 **3200 SKILMAN AVE.** LTANKS S100494133
NE **3200 SKILMAN AVE.** N/A
1/4-1/2 **LONG ISLAND CITY, NY**
2188 ft.

Site 2 of 3 in cluster Z

Relative:
Higher

LTANKS:
Spill Number: 9207976
Spill Date: 10/09/1992 10:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: BATTISTA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/16/92
Date Region Sent Summary to Central Office: / /
Tank Test:

Region of Spill: 2
Reported to Dept: 10/09/92 15:41
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

3200 SKILMAN AVE. (Continued) **S100494133**

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: SUSPECT PLUMBING LEAKS,EIR

Spill Number: 9207976
Spill Date: 10/09/92
ID: 175009
Material Spilled: #2 FUEL OIL
Region Close Dt: 03/06/03
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: UNKNOWN
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 10/09/92
Amount Spilled: -1 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: 0
Leak Rate: 0.00

Z103
NE
1/4-1/2
2188 ft.

Relative: Higher

Actual: 29 ft.

32-00 SKILLMAN AVE
QUEENS, NY

LTANKS **S105999143**
N/A

Site 3 of 3 in cluster Z

LTANKS:
Spill Number: 0302379
Spill Date: 06/05/03
ID: 18206
Material Spilled: #4 FUEL OIL
Region Close Dt: Not closed
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: 2-032891

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 06/05/03
Amount Spilled: 0 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Tank Size: Not reported
Leak Rate: Not reported

104 ESE 1/4-1/2 2304 ft.
35TH ST & HUNTERS PT AVE
35TH ST / HUNTERS PT AVE
NEW YORK CITY, NY

LTANKS S105053970 N/A

Relative: Higher

Actual: 44 ft.

LTANKS:

Spill Number:	8909665	Region of Spill:	2
Spill Date:	01/08/1990 12:00	Reported to Dept:	01/08/90 13:05
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	WILSON	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	FIRE STATION-NYCFD		
Spiller Address:	35TH ST & HUNTERS PT AVE LONG ISLAND CITY, NY		
Spill Class:	Not reported		
Spill Closed Dt:	01/08/90		
Spill Notifier:	Local Agency	PBS Number:	Not reported
Cleanup Ceased:	01/08/90		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	/ /		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	01/17/90		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	100
Units:	Gallons
Unknown Qty Spilled:	100
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	#2 FUEL OIL
Class Type:	Petroleum
Chem Abstract Service Number:	#2 FUEL OIL
Last Date:	12/07/1994

35TH ST & HUNTERS PT AVE (Continued) **S105053970**

Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: NYCFD TRANSFERRING OIL FROM ONE TANK TO ANOTHER RESULTING IN OVERFILL,CL EANED UP BY NYCFD HAZMAT), SAND WAS APPLIED TO ENGINE CO 259.

Spill Number: 8909665
Spill Date: 01/08/90
ID: 137751
Material Spilled: #2 FUEL OIL
Region Close Dt: 01/08/90
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/08/90
Amount Spilled: 100 Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Tank Size: Not reported
Leak Rate: Not reported

---

105 NE 1/4-1/2 2326 ft.
43-41 32ND PLACE
43-41 32ND PLACE
LONG ISLAND CITY, NY

LTANKS **S100560351** **N/A**

Relative: Higher
Actual: 36 ft.

LTANKS:
Spill Number: 9303078
Spill Date: 06/08/1993 11:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Facility Contact: Not reported
Investigator: GRIFFIN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: ACCO USA INC.
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/25/93
Spill Notifier: Other
Cleanup Ceased: 06/25/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/19/93
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/09/93
Date Region Sent Summary to Central Office: / /
Tank Test:

Region of Spill: 2
Reported to Dept: 06/08/93 12:27
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 729-9600
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

43-41 32ND PLACE (Continued) **S100560351**

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: SOIL FOUND UNDER 1200 GAL U/G TANK - TO STOCK PILE SOIL AND SEND SAMPLES TO LAB.

Spill Number: 9303078
Spill Date: 06/08/93
ID: 184688
Material Spilled: #4 FUEL OIL
Region Close Dt: 06/25/93
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received:06/08/93
Amount Spilled: 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Tank Size: Not reported
Leak Rate: Not reported

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106 **53-26 VAN DAM ST/QUEENS** **LTANKS** **S100167602**
South **53026 VAN DAM STREET** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
2357 ft.

Relative:
Higher

Actual:
22 ft.

LTANKS:
Spill Number: 8806479
Spill Date: 11/02/1988 19:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: JOHN'S SERVICE STATION
Spiller Address: 53-26 VAN DAM STREET
LONG ISLAND CITY, NY

Region of Spill: 2
Reported to Dept: 11/02/88 19:32
Date Call Received:Not reported
Amount Spilled: Not reported

Spill Source: Gas Station

Facility Tele: ( ) -
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

53-26 VAN DAM ST/QUEENS (Continued) **S100167602**

Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/26/86
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: LEAK RATE INCONCLUSIVE.

Spill Number: 8806479
Spill Date: 11/02/88
ID: 124404
Material Spilled: DIESEL
Region Close Dt: 03/04/03
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/02/88
Amount Spilled: -1 Gal.

Spill Source: GASOLINE STATION

Tank Size: Not reported
Leak Rate: Not reported

107
West
1/4-1/2
2379 ft.

23-30 50TH AVE
LONG ISLAND CITY, NY

LTANKS S105997319
N/A

Relative:
Equal

Actual:
13 ft.

LTANKS:
Spill Number: 0208486
Spill Date: 11/15/02
ID: 40603
Material Spilled: #2 FUEL OIL
Region Close Dt: 11/17/03
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Tank Number: 1
Test Method: HORNER EZ CHECK
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/15/02
Amount Spilled: Unknown Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Tank Size: 2500
Leak Rate: 0.00

108
East
1/4-1/2
2395 ft.

47-36 36TH STREET
47-36 36TH STREET
LONG ISLAND CITY, NY

LTANKS S100879101
NY Spills N/A

Relative:
Higher

Actual:
70 ft.

SPILLS:
Spill Number: 9512438
Spill Date: 01/05/96
ID: 226538
Date Call Received: 01/05/96
Region Close Date : 01/05/96
Material Spilled: #2 FUEL OIL
Water Affected: Not reported
Spill Cause: Human Error
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: / /

Amount Spilled: 1 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Resource Affected: On Land
Tank Size : Not reported
Leak Rate: Not reported

Spill Number: 9512438
Spill Date: 01/05/1996 12:30
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported
Water Affected: Not reported
Spill Cause: Human Error
Water Affected: Not reported
Facility Contact: PETER LEPORE
Investigator: LUCE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: 36TH STREET REALTY
Spiller: JOHN SOTTLIE
Spiller Address: WALCO FUEL
BROOKLYN, NY
DEC Remarks : Not reported
Remark: DRIVER DID NOT BLOW OUT THE LINE BEFORE FILLING
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported

Region of Spill: 2
Reported to Dept: 01/05/96 12:46

Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Resource Affected: On Land
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 852-7000 Ext. 522
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 751-4627

47-36 36TH STREET (Continued) **S100879101**

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 1
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: 01/05/96
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 01/22/96
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/05/96
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9312370 Region of Spill: 2
Spill Date: 01/21/1994 12:30 Reported to Dept: 01/21/94 12:44
ID: Not reported Date Call Received:Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported Spill Source: Other Non Commercial/Industrial
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: Not reported Facility Tele: Not reported
Investigator: MARTINKAT SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: UNK
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/21/94
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: 01/21/94

47-36 36TH STREET (Continued) **S100879101**

Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/25/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 4
Units: Gallons
Unknown Qty Spilled: 4
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: FAULTY GUAGE SPEEDY DRY BEING USED BY MAIN PERSON.

Spill Number: 9312370
Spill Date: 01/21/94
ID: 193938
Material Spilled: #2 FUEL OIL
Region Close Dt: 01/21/94
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/21/94
Amount Spilled: 4 Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Tank Size: Not reported
Leak Rate: Not reported

109
East
1/4-1/2
2431 ft.

47-09 36TH ST
LONG ISLAND CITY, NY

LTANKS **S105997302**
N/A

Relative:
Higher

Actual:
58 ft.

LTANKS:
Spill Number: 0208426
Spill Date: 11/14/02
ID: 40531
Material Spilled: #2 FUEL OIL
Region Close Dt: 03/21/03
Water Affected: Not reported
Resource Affectd: On Land

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/14/02
Amount Spilled: 0 Gal.
Spill Source: PRIVATE DWELLING

(Continued) S105997302

Spill Cause: Tank Test Failure
Tank Number: 001 Tank Size: 3000
Test Method: HORNER EZ CHECK Leak Rate: 0.00
PBS: Not reported

---

110 OUTLET CITY, QUEENS BLVD. & JACKSON AVE. VCP S105684691
North QUEENS BLVD. / JACKSON AVE., L.I.C. N/A
1/4-1/2 LONG ISLAND CITY, NY 11101
2431 ft.

Relative: Higher
NY VCP:
Facility ID : V00081

Actual: 18 ft.

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111 ON THE STREET LTANKS S106385353
North 2821 JACKSON AVE N/A
1/4-1/2 LONG ISLAND CITY, NY
2519 ft.

Relative: Higher
LTANKS:
Spill Number: 0312740 Region of Spill: 2
Spill Date: 02/17/04 Reported to Dept: / /
Actual: 19 ft. ID: 1752 Date Call Received:02/17/04
Material Spilled: GASOLINE Amount Spilled: 2 Gal.
Region Close Dt: 02/17/04
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Resource Affectd: On Land
Spill Cause: Tank Failure
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported
PBS: Not reported

AA112 OUTLET CITY LTANKS S106014251
North 42-16 WEST STREET NY Spills N/A
1/4-1/2 LONG ISLAND CITY, NY
2581 ft.

Site 1 of 2 in cluster AA

Relative: Higher
SPILLS:
Spill Number: 0301857 Region of Spill: 2
Actual: 22 ft. Spill Date: 05/21/03 Reported to Dept: / /
ID: 17606
Date Call Received: 05/21/03
Region Close Date : 05/27/03
Material Spilled: GASOLINE Amount Spilled: Unknown Gal.
CREOSOTE Unknown Gal.
Water Affected: Not reported Spill Source: NON MAJOR FACILITY 1,100 GAL
Spill Cause: Housekeeping Resource Affected: On Land
Tank Number: Not reported Tank Size : Not reported
Test Method: Not reported Leak Rate: Not reported

LTANKS:
Spill Number: 9600688 Region of Spill: 2
Spill Date: 03/26/96 Reported to Dept: / /
ID: 231630 Date Call Received:04/15/96
Material Spilled: TAR Amount Spilled: Unknown Gal.

OUTLET CITY (Continued) **S106014251**

	PAINT THINNERS		Unknown Gal.
	PESTICIDES		Unknown Gal.
	SOLVENTS		Unknown Gal.
Region Close Dt:	05/27/03		
Water Affected:	Not reported	Spill Source:	NON MAJOR FACILITY 1,100 GAL
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
PBS:	2-237981		

AA113 **OUTLET CITY INCORPORATED** **RCRA-SQG 1000546989**
North **42-16 WEST STREET** **FINDS NYD053174041**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **LTANKS**
2581 ft. **NY Spills**

Site 2 of 2 in cluster AA

Relative: Higher

Actual: 22 ft.

RCRAInfo:
Owner: OUTLET CITY INC
(718) 786-4500
EPA ID: NYD053174041

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined:	07/19/2000
Actual Date Achieved Compliance:	10/16/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/19/2000
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	20001016

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SPILLS:

Spill Number:	9813882	Region of Spill:	2
Spill Date:	10/01/98	Reported to Dept:	/ /
ID:	75292		
Date Call Received:	02/16/99		
Region Close Date :	Not Closed		
Material Spilled:	TAR	Amount Spilled:	Unknown Gal.
	CARBOLIC ACID		Unknown Gal.
	PHENOL		Unknown Gal.
	PAINT THINNERS		Unknown Gal.
	PESTICIDES		Unknown Gal.

OUTLET CITY INCORPORATED (Continued) **1000546989**

Water Affected:	Not reported	Spill Source:	NON MAJOR FACILITY 1,100 GAL
Spill Cause:	Equipment Failure	Resource Affected:	Groundwater
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

LTANKS:

Spill Number:	9813882	Region of Spill:	2
Spill Date:	10/01/1998 09:00	Reported to Dept:	02/16/99 11:44
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Water Affected:	Not reported	Spill Source:	Non Major Facility > 1,100 gallons
Resource Affectd:	Groundwater		
Spill Cause:	Tank Overfill		
Facility Contact:	DAVID A ROTH	Facility Tele:	(201) 621-5761
Investigator:	SIGONA	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	MARCUS SIMMONS	Spiller Phone:	(212) 696-0670
Spiller:	OUTLET CITY		
Spiller Address:	42-16 WEST ST LONG ISLAND CITY, NY 11101		
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)		
Spill Closed Dt:	/ /		
Spill Notifier:	DEC	PBS Number:	2-237981
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	False
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Record Last Update:	04/14/00
Is Updated:	False

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/16/99
Date Region Sent Summary to Central Office: / /
Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	2
Quantity Spilled:	0
Units: ,	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	PHENOL
Class Type:	Hazardous

OUTLET CITY INCORPORATED (Continued) **1000546989**

Chem Abstract Service Number: PHENOL
Last Date: Not reported
Num Times Material Entry In File: 65
Material: CARBOLIC ACID
Class Type: Hazardous
Chem Abstract Service Number: CARBOLIC ACID
Last Date: Not reported
Num Times Material Entry In File: 0
Material Class Type: 3
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: PAINT THINNERS
Class Type: Non Pet/Non Haz
Chem Abstract Service Number: PAINT THINNERS
Last Date: 07/28/1994
Num Times Material Entry In File: 124
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: TAR
Class Type: Petroleum
Chem Abstract Service Number: TAR
Last Date: 07/28/1994
Num Times Material Entry In File: 141
Material Class Type: 3
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: PESTICIDES
Class Type: Non Pet/Non Haz
Chem Abstract Service Number: PESTICIDES
Last Date: 07/28/1994
Num Times Material Entry In File: 236

DEC Remarks: Spill cleanup being supervised under voluntary cleanup agreement. IRM is under review. Proposed work plan to enhance IRM submitted to DEC on Mar ch 28, 2000. The site was inspected by NYSDOH, and DEC to address elevat ed levels of VOAs. There is presence of ben ene in soils and groundwate r, and seepage into basement level. There is significant amt of free pr oduct from historical spill of creosote solvent previously stored at sit e. DEC Ha Waste and DEC Spills working on remediation project.Also see spill no. 9600688 for further information.

Spill Cause: CALLER REPORTING THAT DURING SITE INVESTIGATION, MULTIPLE TYPES OF HAZAR DOUS MATERIALS WERE FOUND IN SOIL SAMPLES. REQ DEC FOLLOW UP.

Spill Number: 9813882
Spill Date: 10/01/98 09:00
ID: Not reported
Material Spilled: TAR
CARBOLIC ACID

Region of Spill: 2
Reported to Dept: 02/16/99 11:44
Date Call Received:02/16/99
Amount Spilled: 0 Gal.
0 Gal.

OUTLET CITY INCORPORATED (Continued) **1000546989**

	PAINT THINNERS		0 Gal.	
	PESTICIDES		0 Gal.	
Region Close Dt:	Not reported			
Water Affected:	Not reported	Spill Source:	NON MAJOR FACILITY	1,100 GAL
Resource Affectd:	Groundwater			
Spill Cause:	Equipment Failure			
Tank Number:	Not reported	Tank Size:	Not reported	
Test Method:	Not reported	Leak Rate:	Not reported	
PBS:	2-237981			

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114 **ROEHR CHEMICALS INC** **RCRA-SQG** **1000243997**
SSE **52-20 37TH ST** **SHWS** **NYD000764936**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **FINDS**
2625 ft. **CBS UST**
CBS AST
Relative: **CERC-NFRAP**
Higher **LTANKS**

Actual: **45 ft.**

CERCLIS-NFRAP Classification Data:
Federal Facility: Not a Federal Facility
Non NPL Code: Removal Only Site (No Site Assessment Work Needed)
NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:
Assessment: REMOVAL ASSESSMENT Completed: 05/03/1991
Assessment: ARCHIVE SITE Completed: 01/31/1997

RCRAInfo:
Owner: ACETO CHEMICAL CORP
(212) 555-1212
EPA ID: NYD000764936

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 04/25/1991
Actual Date Achieved Compliance: 08/25/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/25/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/03/1986
Actual Date Achieved Compliance: 04/30/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/02/1986
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920825
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860430

ROEHR CHEMICALS INC (Continued) **1000243997**

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

SHWS:

EPA ID:	NYD000764936
Region:	2
Classification	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Facility ID Number	241014
Lat/Long :	40:44:05 / 73:56:10
Acres:	0.5 Acres
Site Type :	STRUCTURE
Owner Name :	ACETO CORPORATION
Owner Address :	ONE HOLLOW LANE
Cowner Name :	Aceto Corporation
Cowner Address :	One Hollow Lane
Owner Disposal :	ACETO CORPORATION
Operator Disposal 1 :	Roehr Chemicals, Inc.
State Op Address 1 :	50-20 37th Street
Operator Disposal 2 :	Roehr Chemicals, Inc.
State Op Address 2 :	50-20 37th Street
Operator Disposal 3 :	Not reported
State Op address 3 :	Not reported
Operator Disposal 4 :	Not reported
State Op Address 4 :	Not reported
HWDP from :	1991
From to :	unknown
Waste type 1 :	ACETONE
Waste quantity 1 :	UNKNOWN
Waste type 2 :	XYLENE (MIXED)
Waste quantity 2 :	UNKNOWN
Waste type 3 :	Not reported
Waste quantity 3 :	UNKNOWN
Waste type 4 :	Not reported
Waste quantity 4 :	Not reported
Waste type 5 :	Not reported
Waste quantity 5 :	Not reported
Waste type 6 :	Not reported
Waste quantity 6 :	Not reported
Waste type 7 :	Not reported
Waste quantity 7 :	Not reported
Waste type 8 :	Not reported
Waste quantity 8 :	Not reported
Waste type 9 :	Not reported
Waste quantity 9 :	Not reported
Site Description :	Roehr Chemicals used to be located on 52-20 37th Street, in Long Island City, Queens. The Long Island Expressway (Interstate 495) is located about 1200 feet north of the site. Calvary Cemetery is located immediately east of the site across 37th St

ROEHR CHEMICALS INC (Continued) **1000243997**

reet and Newtown Creek is located approximately 1,750 feet southwest of the site. Roehr Chemicals owned and operated four buildings on five lots - lots 1,8,23, and 28. Lot 28 contained the main building and has been the focus of the current investig
ation and remediation. Other lots (1, 8, 23, & 24) were investigated and closed in August 1992 under RCRA closure. The site is presently used as a warehouse for storing packing boxes. Roehr Chemical was a manufacturer of bulk pharmaceuticals an
d pharmaceutical intermediates such as diet pills, allergy pills and chemicals used in muscle relaxants. Several VOCs such as xylene, benzene and diethyl-ketone were used in the production of these items. During site operations involving the removal
of spent xylene, a containment system failed, leaking xylene to the surrounding soil. This release contaminated at least 2,000 cubic yards of on-site soil with xylene. The site has been investigated through multiple phases from Preliminary Site Asse
ssment (PSA) in 1994 to a Remedial Investigation/Feasibility Study (RI/FS), concluded in 2000. The groundwater was found contaminated with xylene and acetone. The RI showed a long narrow xylene plume leaving the site and entering the Calvary Cemete
ry. An off-site investigation was conducted in October 2000 to determine the impact of on-site contamination on the groundwater quality downgradient of the Calvary Cemetery. A series of geoprobe borings and four monitoring wells were installed along
Review Avenue. Total xylenes in many of these wells were found to be at a maximum concentration of 19 ppb. Soil vapor extraction and air sparging systems installed in 1994 as Interim Remedial Measures (IRMs) were further expanded in 1999. A Record
of Decision signed in March 2001 selected a No Further Action Remedy with continued Operation, Maintenance and Monitoring (OM&M) of the installed SVE/ AS system. These measures have reduced groundwater concentrations from a high of 105 ppm of xy
lenes to non-detect levels in most wells. Quarterly groundwater sampling continues under the OM&M program.

Health Problems Assesment : On-site groundwater, surface water and soil contamination has been documented. Drinking water supplies are not impacted by contamination from this site. Drinking water contamination is unlikely as groundwater is not used as a potable supply within
a five mile radius. Site access is controlled, limiting the potential for direct contact to contaminated surface soils to on-site workers. Indoor air sampling in homes immediately west of site did not indicate contamination warranting public healt
h concerns. Soil and groundwater contamination continue to diminish as the remedial measure progresses.

Environmental Problems : The remedial actions taken todate have adequately addressed significant threat posed by the contamination, and the site reclassification is under consideration. The continuing groundwater monitoring shows that groundwater concentrations of site rela
ted contaminants have reduced to non-detect levels in most wells. The installed system is being operated in an on and off pulsing sequence to assess if the reductions in groundwater contaminant levels are permanent or not.

CBS UST:

CBS Number:	2-000014	ICS No:	2-125730
PBS No:	Not reported	MOSF No:	Not reported
Region:	STATE	Town:	NEW YORK CITY
Operator:	HARRY OLENBERG	Facility Tel:	(212) 671-4218

ROEHR CHEMICALS INC (Continued) 1000243997

Emergency Contact:	HARRY OLENBERG, (212) 671-4218		
Certification Date:	02/22/1991	Expiration Date:	02/17/1993
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Owner Address:	52-20 37TH ST. L.I.C., NY 11101		
Owner Phone	(718) 784-8473		
Owner Type:	Corporate/Commercial		
Facility Type:	MANUFACTURING		
Mail To:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Mail Address	52-20 37TH ST. L.I.C., NY 11101 ATTN: HARRY OLENBERG (718) 784-8473		
SPDES No:	Not reported	Facility Status:	NO LONGER A MAJOR FACILITY
Owner Subtype:	Not reported		
Tank Status:	Temp. Out of Service		
Tank Error Status:	No Missing Data		
Total Tanks:	0	Capacity:	1500 Gals
Tank Location:	Underground		
Install Date:	05/75		
CAS No:	67561		
Substance:	Single Hazardous Substance on DEC List		
Tank Type:	Steel/carbon steel	2nd Containmt:	Vault (w/o access)
Tank Internal:	None	Pipe Type:	STEEL/IRON
Tank External:	None		
Pipe Internal:	None	Pipe Location:	Aboveground/Underground Combination
Pipe External:	Painted/Asphalt Coating		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Groundwater Well		
Overfill Protection:	4		
Chemical:	Methanol		
Tank Closed:	12/91		
Tank Secret:	False	Date Entered:	02/17/1989 07:56:27
Last Test:	Not reported	Due Date:	Not reported
SWIS Code:	6301		
Cert Flag:	False		
Case No:	Not reported	Reserve Flag:	True
Pipe Flag:	False	Federal Amt:	True
Is it There:	False	Is Updated:	False
Owner Mark:	1	Lat/Long:	Not reported
Renew Date:	12/18/90	Date Expired:	02/17/93
Total Capacity:	0		
Tank Number:	31867		
CBS Number:	2-000014	ICS No:	2-125730
PBS No:	Not reported	MOSF No:	Not reported
Region:	STATE	Town:	NEW YORK CITY
Operator:	HARRY OLENBERG	Facility Tel:	(212) 671-4218
Emergency Contact:	HARRY OLENBERG, (212) 671-4218		
Certification Date:	02/22/1991	Expiration Date:	02/17/1993
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Owner Address:	52-20 37TH ST. L.I.C., NY 11101		
Owner Phone	(718) 784-8473		
Owner Type:	Corporate/Commercial		
Facility Type:	MANUFACTURING		
Mail To:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		

ROEHR CHEMICALS INC (Continued) **1000243997**

Mail Address	52-20 37TH ST. L.I.C., NY 11101 ATTN: HARRY OLENBERG (718) 784-8473		
SPDES No:	Not reported	Facility Status:	NO LONGER A MAJOR FACILITY
Owner Subtype:	Not reported		
Tank Status:	Temp. Out of Service		
Tank Error Status:	No Missing Data		
Total Tanks:	0	Capacity:	1500 Gals
Tank Location:	Underground		
Install Date:	03/83		
CAS No:	1330207		
Substance:	Single Hazardous Substance on DEC List		
Tank Type:	Steel/carbon steel	2nd Containmt:	Vault (w/o access)
Tank Internal:	None	Pipe Type:	STEEL/IRON
Tank External:	None		
Pipe Internal:	None	Pipe Location:	Aboveground/Underground Combination
Pipe External:	Painted/Asphalt Coating		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Groundwater Well		
Overfill Protection:	4		
Chemical:	Xylene (mixed)		
Tank Closed:	12/91		
Tank Secret:	False	Date Entered:	02/17/1989 07:57:06
Last Test:	Not reported	Due Date:	Not reported
SWIS Code:	6301		
Cert Flag:	False		
Case No:	Not reported	Reserve Flag:	True
Pipe Flag:	False	Federal Amt:	True
Is it There:	False	Is Updated:	False
Owner Mark:	1	Lat/Long:	Not reported
Renew Date:	12/18/90	Date Expired:	02/17/93
Total Capacity:	0		
Tank Number:	22683		

CBS AST:

CBS Number:	2-000014	Telephone:	(212) 671-4218
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.) 52-20 37TH ST. L.I.C., NY 11101 (718) 784-8473		
Facility Status:	Active		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	2000		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STAINLESS STEEL ALLOY	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	41
Leak Detection:	Groundwater Well/In-tank System		

ROEHR CHEMICALS INC (Continued) **1000243997**

Overfill Protection:	Not reported		
Chemical:	Sodium nitrite		
Tank Closed:	12/91		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	7632000
SPDES Number:	Not reported	ICS Number:	2-125730
Facility Type:	Manufacturing		
Operator:	HARRY OLENBERG	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HARRY OLENBERG	Emrgncy Phone:	(212) 671-4218
Certified Date:	02/22/1991	Expiration Date:	02/17/1993
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Mail Contact:	HARRY OLENBERG 52-20 37TH ST. L.I.C., NY 11101		
Mail Phone:	(718) 784-8473		
Tank Secret:	False	Date Entered:	02/17/1989 07:51:37
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	12/18/90	Date Expired:	02/17/93
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	000S1
Date Pre-Printed Renewal App Form Was Last Printed:	12/18/1990

CBS Number:	2-000014	Telephone:	(212) 671-4218
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.) 52-20 37TH ST. L.I.C., NY 11101 (718) 784-8473		
Facility Status:	Active		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	2000		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STAINLESS STEEL ALLOY	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Groundwater Well/In-tank System		
Overfill Protection:	Not reported		
Chemical:	Propionic acid		
Tank Closed:	12/91		
PBS Number:	Not reported	SWIS Code:	6301

ROEHR CHEMICALS INC (Continued) **1000243997**

Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	79094
SPDES Number:	Not reported	ICS Number:	2-125730
Facility Type:	Manufacturing		
Operator:	HARRY OLENBERG	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HARRY OLENBERG	Emrgncy Phone:	(212) 671-4218
Certified Date:	02/22/1991	Expiration Date:	02/17/1993
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Mail Contact:	HARRY OLENBERG 52-20 37TH ST. L.I.C., NY 11101		
Mail Phone:	(718) 784-8473		
Tank Secret:	False	Date Entered:	02/17/1989 07:52:08
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	12/18/90	Date Expired:	02/17/93
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	000S2
Date Pre-Printed Renewal App Form Was Last Printed:	12/18/1990

CBS Number:	2-000014	Telephone:	(212) 671-4218
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.) 52-20 37TH ST. L.I.C., NY 11101 (718) 784-8473		
Facility Status:	Active		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	2000		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STEEL/IRON	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	25
Leak Detection:	Groundwater Well/In-tank System		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	12/91		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	2-125730
Facility Type:	Manufacturing		

ROEHR CHEMICALS INC (Continued) **1000243997**

Operator:	HARRY OLENBERG	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HARRY OLENBERG	Emrgncy Phone:	(212) 671-4218
Certified Date:	02/22/1991	Expiration Date:	02/17/1993
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)		
Mail Contact:	HARRY OLENBERG 52-20 37TH ST. L.I.C., NY 11101		
Mail Phone:	(718) 784-8473		
Tank Secret:	False	Date Entered:	02/17/1989 07:53:17
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	12/18/90	Date Expired:	02/17/93
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	000S4
Date Pre-Printed Renewal App Form Was Last Printed:	12/18/1990

CBS Number:	2-000014	Telephone:	(212) 671-4218
Owner:	ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.) 52-20 37TH ST. L.I.C., NY 11101 (718) 784-8473		
Facility Status:	Active		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	2000		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extml Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STEEL/IRON	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	25
Leak Detection:	Groundwater Well/In-tank System		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	12/91		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	2-125730
Facility Type:	Manufacturing		
Operator:	HARRY OLENBERG	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HARRY OLENBERG	Emrgncy Phone:	(212) 671-4218
Certified Date:	02/22/1991	Expiration Date:	02/17/1993
Owner type:	Corporate/Commercial		

ROEHR CHEMICALS INC (Continued) **1000243997**

Owner Sub Type: Not reported
Mail Name: ROEHR CHEMICALS INC. (DIV. OF ACETO CORP.)
Mail Contact: HARRY OLENBERG
52-20 37TH ST.
L.I.C., NY 11101
Mail Phone: (718) 784-8473
Tank Secret: False
Last Test: Not reported
Pipe Flag: False
Renew Date: 12/18/90
Is it There: False
Owner Status: F
Date Entered: 02/17/1989 07:53:34
Due Date: Not reported
Owner Mark: 1
Date Expired: 02/17/93
Is Updated: False
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Total Capacity of All Active Tanks(gal): No
Unique Tank Id Number: 000S5
Date Pre-Printed Renewal App Form Was Last Printed: 12/18/1990

This is the most recent NY CBS AST data for this site.

Click this hyperlink while viewing on your computer to access
2 additional NY CBS AST record(s) in the EDR Site Report.

LTANKS:
Spill Number: 8709604
Spill Date: 02/11/1988 16:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: BATTISTA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: HARRY OLENBERG
Spiller Address: SAME AS ABOVE
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Region of Spill: 2
Reported to Dept: 02/12/88 11:08
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 784-8473
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: 2-005398

ROEHR CHEMICALS INC (Continued) **1000243997**

Date Spill Entered In Computer Data File: 02/12/88
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: -1
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: 3K TANK/ LEAK RATE IS UNDETERMINED. LEAK PROBABLY AT TANK TOP; STICKING TANKS TODAY. EXCAVATE--ISOLATE--RETEST

Spill Number: 8907364
Spill Date: 10/25/1989 13:45
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: ROEHER CHMCLS, INC
Spiller Address: HARRY OENBERG
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 02/13/97
Is Updated: False

Region of Spill: 2
Reported to Dept: 10/25/89 15:10
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 784-8473
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: 2-005398

ROEHR CHEMICALS INC (Continued) **1000243997**

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/02/89
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Material Class Type: 3
Quantity Spilled: 0
Units: Pounds
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: ISOPROPYL ALCOHOL
Class Type: Non Pet/Non Haz
Chem Abstract Service Number: ISOPROPYL ALCOHOL
Last Date: 08/15/1995
Num Times Material Entry In File: 27
DEC Remarks: Not reported
Spill Cause: Not reported

Spill Number: 8709604
Spill Date: 02/11/88
ID: 116589
Material Spilled: #4 FUEL OIL
Region Close Dt: 03/04/03
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: 2-005398

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 02/12/88
Amount Spilled: -1 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8907364
Spill Date: 10/25/89
ID: 135469
Material Spilled: UNKNQWN PETROLEUM
ISOPROPYL ALCOHOL
Region Close Dt: 02/13/03
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 10/25/89
Amount Spilled: -1 lbs.
0 lbs.

Spill Source: OTHER COMM/INDUSTRIAL

ROEHR CHEMICALS INC (Continued) 1000243997

Tank Number: Not reported
Test Method: Not reported
PBS: 2-005398
Tank Size: Not reported
Leak Rate: Not reported

115 SE 1/4-1/2 2636 ft.
ST RAPHAEL CHURCH
35-20 GREEN PT AVE
LONG ISLAND CITY, NY

LTANKS S103238411
N/A

Relative: Higher

Actual: 60 ft.

LTANKS:
Spill Number: 9802516
Spill Date: 05/27/1998 16:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: MULQUEEN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: REV THOMAS PETTY
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/16/98
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/16/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/27/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 3000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Gross Leak Rate
PBS Number: Not reported
Tank Number: 2
Test Method: Horner EZ Check
Capacity of Failed Tank: 3000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:

Region of Spill: 2
Reported to Dept: 05/27/98 16:45
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (718) 729-8957
PBS Number: Not reported

ST RAPHAEL CHURCH (Continued) **S103238411**

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	#2 FUEL OIL
Class Type:	Petroleum
Chem Abstract Service Number:	#2 FUEL OIL
Last Date:	12/07/1994
Num Times Material Entry In File:	24464
DEC Remarks:	11/1698 mmm:PROTEST EI BOTH TANKS, MINOR PROBLEMS WERE CORRECTED, TANKS PASSED TESTING. NO EVIDENCE OF RELEASE.
Spill Cause:	NO REMARKS AT THIS TIME

Spill Number:	9802516	Region of Spill:	2
Spill Date:	05/27/98	Reported to Dept:	/ /
ID:	260690	Date Call Received:	05/27/98
Material Spilled:	#2 FUEL OIL	Amount Spilled:	0 Gal.
Region Close Dt:	11/16/98		
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Tank Number:	1	Tank Size:	3000
Test Method:	HORNER EZ CHECK	Leak Rate:	0.00
PBS:	Not reported		

AB116 **QUANTA RESOURCES** **SHWS S104541586**
South **37-80 REVIEW AVENUE** **N/A**
1/2-1 **MASPETH, NY 11378**
3408 ft.

Site 1 of 2 in cluster AB

Relative:
Higher

Actual:
36 ft.

SHWS:

EPA ID:	NYD980534499
Region:	2
Classification	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Facility ID Number	241005
Lat/Long :	40:43:52 / 73:56:09
Acres:	2 Acres
Site Type :	DUMPSTRUCTURE
Owner Name :	QUANTA RESOURCES
Owner Address :	299 S. STATE ST.
Cowner Name :	Quanta Resources
Cowner Address :	299 South State Street
Owner Disposal :	Quanta Resources
Operator Disposal 1 :	QUANTA RESOURCES
State Op Address 1 :	299 S. STATE STREET
Operator Disposal 2 :	Quanta Resources
State Op Address 2 :	299 South State Street
Operator Disposal 3 :	Not reported
State Op address 3 :	Not reported
Operator Disposal 4 :	Not reported
State Op Address 4 :	Not reported
HWDP from :	1960
From to :	1981
Waste type 1 :	TOLUENE
Waste quantity 1 :	UNKNOWN

QUANTA RESOURCES (Continued) S104541586

Waste type 2 :	1,1,1 TCA
Waste quantity 2 :	UNKNOWN
Waste type 3 :	Not reported
Waste quantity 3 :	UNKNOWN
Waste type 4 :	Not reported
Waste quantity 4 :	UNKNOWN
Waste type 5 :	Not reported
Waste quantity 5 :	UNKNOWN
Waste type 6 :	Not reported
Waste quantity 6 :	UNKNOWN
Waste type 7 :	Not reported
Waste quantity 7 :	UNKNOWN
Waste type 8 :	Not reported
Waste quantity 8 :	UNKNOWN
Waste type 9 :	Not reported
Waste quantity 9 :	UNKNOWN
Site Description :	Quanta Resources operated a waste oil storage and processing facility at 37-80 Review Ave. from 1960 to 1981. The site is located in an industrial/commercial area of Long Island City. The Newtown Creek is about 500 ft. south of the site. After f iling for bankruptcy in 1981, the owners abandoned the site. The site has tanks and several buildings on site, and is still abandoned. The surrounding parcels are currently used for a combination of commercial and industrial. A New York City emer gency remedial action removed approximately 640,000 gallons of waste oil from the property. Some of the waste oil contained tetrachloroethene, methyl chloride, 1,1,1-trichloroethane and trichloroethene. Sludge, waste oil, and diesel fuel, all cont aminated with PCBs from badly deteriorated leaking tanks and drums, were also removed. As part of NYSDECs Phase II Investigation, three on-site groundwater monitoring wells were installed. During installation it was discovered that there was a fou r foot layer of oil lying above the groundwater table, which would imply that there are about 500,000 gallons of oil underground. A consent order was signed with numerous PRPs in May 2002 for the undertaking of investigation and remediation activ ities. Phase I of the Remedial Investigation has been completed. Phase II of the Remedial Investigation is planned for early 2005.
Health Problems Assesment :	Waste oil previously stored on-site has caused widespread contamination of groundwater and soils. Approximately 500,000 gallons of contaminated waste oil remains at the site, floating on the water table. The aquifer of concern is not used as a sou rce for drinking water. Groundwater wells in this area of Queens are used only for commercial and industrial purposes. A fence surrounds the site restricting access and minimizing the potential for direct contact exposures to on-site contaminates . The potential exists for the floating oil plume to migrate into the nearby Newtown Creek which empties into the East River. Further investigation is required.
Environmental Problems :	Soil and groundwater contamination has been confirmed. The primary contaminants of concern include petroleum hydrocarbons, chlorinated solvents, PCBs, heavy metals and PAHs. Measurable LNAPL was found in 24 of 29 onsite and offsite monitoring wells. The site presents a significant threat due to the soil and groundwater contamination, free product plume and close proximity to Newtown Creek.

AB117 **QUANTA RESOURCES CORP** **RCRA-SQG 1000321850**
South **37-80 REVIEW AVE** **FINDS NYD980592562**
1/2-1 **LONG ISLAND CITY, NY 11101** **CORRACTS**
3408 ft.

Site 2 of 2 in cluster AB

Relative:
Higher

CORRACTS Data:

Actual:
36 ft.

EPA Id:	NYD980592562
Region:	2
Area Name:	SITEWIDE
Actual Date:	02/07/1995
Corrective Action:	CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
2002 NAICS Title:	Petroleum Refineries

EPA Id:	NYD980592562
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/20/1994
Corrective Action:	CA050 - RFA Completed
2002 NAICS Title:	Petroleum Refineries

EPA Id:	NYD980592562
Region:	2
Area Name:	SITEWIDE
Actual Date:	02/07/1995
Corrective Action:	CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
2002 NAICS Title:	Petroleum Refineries

EPA Id:	NYD980592562
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/20/1994
Corrective Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
2002 NAICS Title:	Petroleum Refineries

EPA Id:	NYD980592562
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/08/1993
Corrective Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
2002 NAICS Title:	Petroleum Refineries

Click this hyperlink while viewing on your computer to access
1 additional CORRACTS record(s) in the EDR Site Report.

RCRAInfo Corrective Action Summary:

Event:	CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date:	08/11/2004

QUANTA RESOURCES CORP (Continued) **1000321850**

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 02/07/1995

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.
Event Date: 02/07/1995

Event: RFA Completed
Event Date: 09/20/1994

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 09/20/1994

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 09/08/1993

RCRAInfo:
Owner: QUANTA RESOURCES CORP
(201) 941-2020
EPA ID: NYD980592562

Contact: PRASHKER EUGENE
(201) 941-2020

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

118
SSW
1/2-1
3454 ft.

FORMER MANHATTAN ADHESIVES PLANT
425-459 GREENPOINT AVENUE
BROOKLYN, NY

DEL SHWS **S105972443**
N/A

Relative:
Lower

Actual:
7 ft.

DELETED HWS:

Site Code Id :	224009
Site Classification :	D1
Region :	2
Epa Id Number :	NYD980780811
Year :	Not reported
NYTM X :	0
NYTM Y :	0
Site Type :	
Dump :	Not reported
Structure :	Not reported
Lagoon :	Not reported
Landfill :	Not reported
Treatment Pond :	Not reported
Site Size (Acres) :	Acres
Site Size Comment :	Not reported
Owner During Use :	Not reported
Period Associated With HW Start :	Not reported
Period Associated With HW End :	Not reported
Lat/Long Degrees :	0° 0′ 0″ / 0° 0′ 0″

Hazardous Waste Disposed Quantity

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

Not Reported

Not Reported

Air Data Available :	Not reported
Surface Water Exists :	Not reported
Ground Water Available :	Not reported
Soil Data Available :	Not reported
Sediment Data Available :	Not reported
Groundwater Std Contravention :	Not reported
Drinking Water Std Contravention :	Not reported
Surface Water Std Contravention :	Not reported
Air Standard Contraventions :	Not reported
Legal Action Type :	Not reported
State Legal Action :	Not reported
Federal Legal Action :	Not reported
Enforcement Status Code :	Not reported
Remedial Action Proposed :	Not reported
Remedial Action Under Design :	Not reported
Remedial Action In Progress :	Not reported
Remedial Action Completed :	Not reported
Remedial Action Type :	Not reported
Soil Type :	Not reported
Depth To Groundwater :	Not reported
Env Problems Assessment :	Not Reported
Owner Name :	Frank Castiglione
Owner Address :	32-02 College Point Boulevard Flushing, NY 11354
Owner Phone :	Not reported
Owner Contact :	
Operator Name :	Not reported
Operator Address :	Not reported Not reported
Operator Phone :	Not reported
Operator Contact Name :	
Latitude :	40 43' 56 / 73 56' 42
Site Type :	Structure
Owner(s) During Disposal :	Not reported
Operator(s) During Disposal :	Not reported
Haz Waste Disposal Period :	From: To:
Analytical Data Available For :	Not reported
Applicable Std Exceeded In :	Not reported
Geotech Info: Soil/rock Type :	Not reported
Depth To Groundwater :	Not reported
Status :	Not reported
Nature Of Action :	Not reported
Site Description :	Manhattan Adhesives is currently an empty factory building that is located at the foot of the Greenpoint Ave., Bridge in Brooklyn. Besides the Manhattan Adhesives factory, about 10 feet from the northeast wall is a manhole (not a sewer of drain) intowhich liquid waste was allegedly discharged. This waste came from a condemned oil storage site located at the intersection of Rt. 280, and the NJ Turnpike in NJ. The manhole is suspected of being the opening to an underground tank; however, the quantity of the waste allegedly dumped exceeds the capacity of most tanks. This information was obtained from the State Senate Committee on Crime and the Brooklyn District Attorney's office. Phase I State Superfund has been completed. A partial phase IIinvestigation was completed during 1985 and recommended no further action. The Responsible Party has agreed to

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

	undertake an investigation in 1986. An investigation has not found hazardous waste on-site.
Confirmed Hazardous Waste :	Waste oil alleged to contain PCB's: Over 400,000 gal.
Environment Assesment :	Not Reported
Health Assesment :	Not Reported
Disposal Start Date :	Not reported
Disposal Terminated Date :	Not reported
Air Violation :	Not reported
Groundwater Violation :	Not reported
Drink Water Violation :	Not reported
Surface Water Violation :	Not reported
Legal New York State :	Not reported
Legal Federal :	Not reported
Legal State :	Not reported
Remedial Action Active :	Not reported
Remedial Action Done :	Not reported
NPL Status :	Not reported
Count Operator :	Not reported
Count Owner :	Not reported
Lat/Long Decimal :	0.00000 / 0.00000
Co Name :	Not reported
Co Addr :	Not reported
Operator Addr :	Not reported
Operator Addr 2 :	Not reported
Operator Addr 3 :	Not reported
Operator Addr 4 :	Not reported
HWDP From :	Not reported
From To:	Not reported
Assessment Of Health :	Not reported
Environmental Assessment :	Not reported
Haz Waste Disposed / Quantity :	Not reported
Description :	Not reported
Assessment of Env Programs :	Not reported
Assessment of Health Problems :	Not reported
Site Description :	Not reported

119
NNE
1/2-1
3957 ft.

Relative:
Higher

Actual:
20 ft.

AMTRAK SUNNYSIDE YARD
39-29 HONEYWELL ST
LONG ISLAND CITY, NY 11101

PADS **1000323850**
SHWS **NYD078516895**
FINDS
RCRA-LQG
LTANKS
NY Spills

RCRAInfo:
Owner: AMTRAK
(212) 630-6215
EPA ID: NYD078516895
Contact: Not reported
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	4140.01	D009	890.00
D018	50.00	F003	440.01
U121	240.01		

AMTRAK SUNNYSIDE YARD (Continued) **1000323850**

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
INTEGRATED COMPLIANCE INFORMATION SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SHWS:

EPA ID:	Not reported
Region:	2
Classification	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Facility ID Number	241006
Lat/Long :	40:45:03 / 73:56:01
Acres:	100 Acres
Site Type :	DUMP
Owner Name :	PENNSYLVANIA RAILROAD - AMTRAK
Owner Address :	400 N. CAPITOL ST. NW
Cowner Name :	National Rail Passenger Corporation
Cowner Address :	400 North Capitol Street NW
Owner Disposal :	PENNSYLVANIA RAILROAD - AMTRAK
Operator Disposal 1 :	PENNSYLVANIA RAILROAD - AMTRAK
State Op Address 1 :	39-29 HONEYWELL ST.
Operator Disposal 2 :	Amtrak - Sunnyside Yard
State Op Address 2 :	39-29 Honeywell Street
Operator Disposal 3 :	Not reported
State Op address 3 :	Not reported
Operator Disposal 4 :	Not reported
State Op Address 4 :	Not reported
HWDP from :	1910
From to :	unknown
Waste type 1 :	LEAD
Waste quantity 1 :	UNKNOWN
Waste type 2 :	LEAD
Waste quantity 2 :	UNKNOWN
Waste type 3 :	Not reported
Waste quantity 3 :	UNKNOWN
Waste type 4 :	Not reported
Waste quantity 4 :	UNKNOWN
Waste type 5 :	Not reported
Waste quantity 5 :	UNKNOWN
Waste type 6 :	Not reported
Waste quantity 6 :	UNKNOWN
Waste type 7 :	Not reported
Waste quantity 7 :	UNKNOWN
Waste type 8 :	Not reported
Waste quantity 8 :	UNKNOWN

AMTRAK SUNNYSIDE YARD (Continued) **1000323850**

Waste type 9 : Not reported
Waste quantity 9 : UNKNOWN
Site Description : The site is an active maintenance and storage yard for train locomotives and passenger cars. Several investigations conducted prior to 1986 had found that PCBs were present in soils and a PCBs laden separate phase plume was also present near the fo rmer Engine Shop. A remedial investigation was later conducted in multiple phases under NYSDEC oversight pursuant to a consent order. Seventeen specific areas of concern (AOC) have been identified. PCBs, petroleum hydrocarbons, and lead are the m ain site-related contaminants of concern. Onsite soils, groundwater, and sewer sediments are contaminated with one or more of these contaminants. Chlorinated solvents are also present in on- site groundwater, but are believed to have originated off site. The sources of the PCBs are believed to be leaks from stationary transformers and locomotive-mounted transformers. The main sources of petroleum hydrocarbons are believed to be the diesel USTs and the various leaks and disposals over the yea rs of the Yard activities. The consent order was modified in 1988 to divide the Yard into six operable units (OUs). The operable units (OUs) 1 and 2, the unsaturated soil under and around the High Speed Line building areas have been investigated a nd remediated. An RI for OU3 is underway. OU3 consists of the unsaturated soils, the free product plume, and underground structures in and around the former Engine House Area, knows as AOC-1. Portions of OU-4 (remainder of the site) have been comp leted. The on-site sewer system (OU-5) and the groundwater/saturated soils (OU-6) were also investigated during the Phase II, but more work remains to be done. Interim Remedial Measures (IRMs) installed since 1990 have contained and recovered petr oleum. These measures were discontinued in 1996. A new IRM consisting of a single collection trench was installed in late 1998 to recover the free petroleum. This IRM continues to operate on and off as permitted by ongoing Yard construction. The preliminary remedial plans for OU3 includes an IRM to excavate free product and contaminated soils. The Long Island Railroad (LIRR) is planning to construct tunnels through the Yard as part of its East Side Access (ESA) project. Impacts from the pr oposed construction remain to be assessed.
Health Problems Assesment : Groundwater in the area of the site is not used as a source of potable water. Access to the site is controlled, preventing trespassers from coming in contact with contaminated soils.
Environmental Problems : Soil and groundwater contamination by PCBs has been confirmed. A PCBs laced petroleum plume is also present in one portion of the site. The site has secured access.Exceedances of standards, criteria, and guidance include PCBs, metals (primarily lead), and SVOCs for soil; and metals and SVOCs for groundwater.

SPILLS:

Spill Number: 0303007
Spill Date: 06/21/03
ID: 18977
Date Call Received: 06/21/03
Region Close Date : 08/29/03
Material Spilled: HYDRAULIC OIL
Water Affected: Not reported
Spill Cause: Equipment Failure
Tank Number: Not reported

Region of Spill: 2
Reported to Dept: / /
Amount Spilled: 150 Gal.
Spill Source: COMMERCIAL VEHICLE
Resource Affected: On Land
Tank Size : Not reported

AMTRAK SUNNYSIDE YARD (Continued) **1000323850**

Test Method: Not reported Leak Rate: Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number: 9013163 Region of Spill: 2
Spill Date: 03/23/1991 16:45 Reported to Dept: 03/26/91 14:06
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported Facility Tele: (212) 630-7565
Investigator: BATTISTA SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: AMTRAK
Spiller Address: 39-29 HONEYWELL STREET
LONG ISLAND CITY, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/04/91
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False

AMTRAK SUNNYSIDE YARD (Continued) **1000323850**

Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: Not reported

Spill Number: 9207333
Spill Date: 01/01/1991 12:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Facility Contact: Not reported
Investigator: MILLER
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/28/92
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 09/24/92 13:14
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False

AMTRAK SUNNYSIDE YARD (Continued) **1000323850**

Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: Not reported

Spill Number: 9013163
Spill Date: 03/23/91
ID: 153777
Material Spilled: #2 FUEL OIL
Region Close Dt: 03/14/03
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Tank Number: Not reported
Test Method: Not reported
PBS: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 03/26/91
Amount Spilled: -1 lbs.

Spill Source: OTHER COMM/INDUSTRIAL

Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9207333
Spill Date: 01/01/91
ID: 174390
Material Spilled: GASOLINE
Region Close Dt: 11/24/03
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Tank Number: Not reported
Test Method: Not reported
PBS: 2-323497

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 09/24/92
Amount Spilled: Unknown Gal.

Spill Source: NON MAJOR FACILITY 1,100 GAL

Tank Size: Not reported
Leak Rate: Not reported

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120 WNW 1/2-1 4853 ft.

ACCURATE ASSOCIATES
5-36 46TH RD
LONG ISLAND CITY, NY 11101

RCRA-SQG **1000426821**
FINDS **NYD001264191**
RAATS
CORRACTS

Relative: Lower

Actual: 10 ft.

CORRACTS Data:

EPA Id: NYD001264191
Region: 2
Area Name: SITEWIDE
Actual Date: 03/15/1991
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Not Reported

EPA Id: NYD001264191
Region: 2
Area Name: SITEWIDE
Actual Date: 05/24/1991
Corrective Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
2002 NAICS Title: Not Reported

EPA Id: NYD001264191
Region: 2
Area Name: SITEWIDE
Actual Date: 11/17/1992
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

ACCURATE ASSOCIATES (Continued) **1000426821**

2002 NAICS Title: Not Reported

RCRAInfo Corrective Action Summary:
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 11/17/1992

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date: 05/24/1991

Event: RFA Completed
Event Date: 03/15/1991

RCRAInfo:
Owner: ACCURATE ASSOC
(718) 729-2957
EPA ID: NYD001264191

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATQR-GENERAL REQUIREMENTS
Date Violation Determined: 05/23/1991
Actual Date Achieved Compliance: 05/24/1991

Enforcement Action: FINAL IMMINENT HAZARD ORDER
Enforcement Action Date: 05/24/1991
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19910524

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
INTEGRATED COMPLIANCE INFORMATION SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

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121 SSW 1/2-1 4908 ft. **MOBIL OIL BROOKLYN TERMINAL** **DEL SHWS S105972445**
300 NORTH HENRY STREET **N/A**
BROOKLYN, NY

Relative: Equal

Actual: 13 ft.

DELETED HWS:
Site Code Id : 224013
Site Classification : D1
Region : 2
Epa Id Number : Not reported
Year : Not reported
NYTM X : 0
NYTM Y : 0
Site Type :
Dump : Not reported

MOBIL OIL BROOKLYN TERMINAL (Continued) S105972445

Structure :	Not reported
Lagoon :	Not reported
Landfill :	Not reported
Treatment Pond :	Not reported
Site Size (Acres) :	15 Acres
Site Size Comment :	Not reported
Owner During Use :	Not reported
Period Associated With HW Start :	Not reported
Period Associated With HW End :	Not reported
Lat/Long Degrees :	0° 0' 0" / 0° 0' 0"

Hazardous Waste Disposed	Quantity
Not Reported	Not Reported

Air Data Available :	Not reported
Surface Water Exists :	Not reported
Ground Water Available :	Not reported
Soil Data Available :	Not reported
Sediment Data Available :	Not reported
Groundwater Std Contravention :	Not reported
Drinking Water Std Contravention :	Not reported
Surface Water Std Contravention :	Not reported
Air Standard Contraventions :	Not reported
Legal Action Type :	Not reported
State Legal Action :	Not reported
Federal Legal Action :	Not reported
Enforcement Status Code :	Not reported
Remedial Action Proposed :	Not reported
Remedial Action Under Design :	Not reported
Remedial Action In Progress :	Not reported
Remedial Action Completed :	Not reported
Remedial Action Type :	Complete
Soil Type :	Not reported
Depth To Groundwater :	Not reported
Env Problems Assessment :	Not Reported
Owner Name :	Not reported
Owner Address :	300 North Henry Street Brooklyn
Owner Phone :	Not reported
Owner Contact :	
Operator Name :	Not reported
Operator Address :	Not reported Not reported
Operator Phone :	Not reported
Operator Contact Name :	
Latitude :	0 0' 0" / 0 0' 0"
Site Type :	Dump
Owner(s) During Disposal :	Mobil Oil
Operator(s) During Disposal :	Not reported
Haz Waste Disposal Period :	From: 1900 To: 1985
Analytical Data Available For :	Not reported
Applicable Std Exceeded In :	Not reported
Geotech Info: Soil/rock Type :	Not reported
Depth To Groundwater :	Not reported
Status :	Not reported
Nature Of Action :	Not reported
Site Description :	Large storage area. Facility was built on an old refinery. Possiblity of

MOBIL OIL BROOKLYN TERMINAL (Continued) **S105972445**

groundwater contamination due to poor operation. Newton Creek is adjacent to the site.

Confirmed Hazardous Waste :	Gasoline, Kerosene, Fuel Oil, Others: unknown
Environment Assesment :	Site has been remediated.
Health Assesment :	Not Reported
Disposal Start Date :	Not reported
Disposal Terminated Date :	Not reported
Air Violation :	Not reported
Groundwater Violation :	Not reported
Drink Water Violation :	Not reported
Surface Water Violation :	Not reported
Legal New York State :	Not reported
Legal Federal :	Not reported
Legal State :	Not reported
Remedial Action Active :	Not reported
Remedial Action Done :	Not reported
NPL Status :	Not reported
Count Operator :	Not reported
Count Owner :	Not reported
Lat/Long Decimal :	0.00000 / 0.00000
Co Name :	Not reported
Co Addr :	Not reported
Operator Addr :	Not reported
Operator Addr 2 :	Not reported
Operator Addr 3 :	Not reported
Operator Addr 4 :	Not reported
HWDP From :	Not reported
From To:	Not reported
Assessment Of Health :	Not reported
Environmental Assessment :	Not reported
Haz Waste Disposed / Quantity :	Not reported
Description :	Not reported
Assessment of Env Programs :	Not reported
Assessment of Health Problems :	Not reported
Site Description :	Not reported

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122 West 1/2-1 5027 ft.

KOSAN INDUSTRIAL CORP
5-49 49TH AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1000150474
FINDS NYD061949228
CORRACTS

Relative: Lower

Actual: 9 ft.

CORRACTS Data:

EPA Id:	NYD061949228
Region:	2
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Corrective Action:	CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
2002 NAICS Title:	Not Reported

EPA Id:	NYD061949228
Region:	2
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Corrective Action:	CA050 - RFA Completed
2002 NAICS Title:	Not Reported

EPA Id: NYD061949228

KOSAN INDUSTRIAL CORP (Continued) 1000150474

Region:	2
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Corrective Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
2002 NAICS Title:	Not Reported
EPA Id:	NYD061949228
Region:	2
Area Name:	SITEWIDE
Actual Date:	02/28/1995
Corrective Action:	CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
2002 NAICS Title:	Not Reported
EPA Id:	NYD061949228
Region:	2
Area Name:	SITEWIDE
Actual Date:	09/08/1993
Corrective Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
2002 NAICS Title:	Not Reported

Click this hyperlink while viewing on your computer to access
1 additional CORRACTS record(s) in the EDR Site Report.

RCRAInfo Corrective Action Summary:

Event:	CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date:	01/13/2004
Event:	RFA Completed
Event Date:	04/25/1995
Event:	RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date:	04/25/1995
Event:	CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.
Event Date:	04/25/1995
Event:	Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.
Event Date:	02/28/1995
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date:	09/08/1993

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

RCRAInfo:
Owner: STEPHEN GALGANO
(212) 277-3333
EPA ID: NYD061949228

Contact: THOMAS GILCHRIST
(718) 784-8385

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

123
NE
1/2-1
5126 ft.

STANDARD MOTOR PRODUCTS, INC.
37-18 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

SHWS S101008344
CBS AST N/A
VCP

Relative:
Higher

Actual:
25 ft.

SHWS:

EPA ID:	NYD001315266
Region:	2
Classification	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Facility ID Number	241016
Lat/Long :	40:45:07 / 73:55:31
Acres:	1.1 Acres
Site Type :	STRUCTURE
Owner Name :	Standard Motor Products/MTA
Owner Address :	37-18 Northern Boulevard
Cowner Name :	Standard Motor Products/MTA
Cowner Address :	37-18 Northern Boulevard
Owner Disposal :	STANDARD MOTOR PRODS./MTA
Operator Disposal 1 :	Standard Motor Products/MTA
State Op Address 1 :	37-18 Northern Boulevard
Operator Disposal 2 :	Standard Motor Products/MTA
State Op Address 2 :	37-18 Northern Boulevard
Operator Disposal 3 :	Not reported
State Op address 3 :	Not reported
Operator Disposal 4 :	Not reported
State Op Address 4 :	Not reported
HWDP from :	unknown
From to :	unknown
Waste type 1 :	TETRACHLOROETHYLENE (PCE)
Waste quantity 1 :	UNKNOWN
Waste type 2 :	1,1,1 TCA
Waste quantity 2 :	UNKNOWN
Waste type 3 :	Not reported
Waste quantity 3 :	UNKNOWN
Waste type 4 :	Not reported
Waste quantity 4 :	UNKNOWN
Waste type 5 :	Not reported

STANDARD MOTOR PRODUCTS, INC. (Continued) **S101008344**

Waste quantity 5 : UNKNOWN
Waste type 6 : Not reported
Waste quantity 6 : Not reported
Waste type 7 : Not reported
Waste quantity 7 : Not reported
Waste type 8 : Not reported
Waste quantity 8 : Not reported
Waste type 9 : Not reported
Waste quantity 9 : Not reported
Site Description : Standard Motor Products (SMP) is located in an urban area, on the southern side of Northern Boulevard, between 37th and 39th streets. SMP is in the business of producing automobile parts and components. Current manufacturing operations include met al fabrication and machining, plastic injection molding, and assembly. The building on site has been occupied by SMP since the mid 1900s. An investigation in 1990 was initiated after an oily sheen was observed in a puddled area on the southeast si de of the property. Soil samples from this area revealed elevated levels of petroleum hydrocarbons and volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane. Approximately 2,700 sq.ft. of soil was excavated to a depth of 18 inches and stockpiled on-site. Further investigation determined that soils in the area of the rear loading platform contained elevated levels of petroleum hydrocarbons and VOCs. Contaminated soils extended beyond the area excavated. Subsequent groundwater s amples taken indicated contamination with 1,1,1-trichloroethane and lead. An investigation was performed by the owner and a Delisting Petition was submitted to the NYSDEC in 1994. This petition was denied. A Consent Order has been signed to devel op and implement a Remedial Investigation/Feasibility Study (RI/FS). The RI/FS work plan was approved in October 2002. The first phase of the RI fieldwork began in November 2002 and the second phase was conducted in July 2003. A work plan for a s upplemental investigation of soil gas and groundwater monitoring is currently being developed.
Health Problems Assesment : The site is situated in an urban and industrial area. On-site workers may contact contaminated surface soils that were not removed as part of a previous soil removal effort. Surface and subsurface soil samples were collected during the remedial iv estigation to delineate the nature and extent of soil contamination. Access to the site is restricted by fences and security personnel. Personnel gain access to the area of concern through a locked gate; thus limiting public exposure. Groundwater near the site is not used for potable water.
Environmental Problems : Significant levels of 1,1,1-trichloroethane, lead, and petroleum hydrocarbons have been found in groundwater and soil samples. The highest levels of groundwater contamination are adjacent to the loading dock at the back of the building. Groundwater flow is to the adjacent Amtrack property. A gas station upgradient of SMP (on the corner of Northern Blvd and 39th Street) is the source of the petroleum contamination in the groundwater.

CBS AST:
CBS Number: 2-000153 Telephone: (718) 392-0200
Owner: STANDARD MOTOR PRODUCTS, INC.
37-18 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101
(718) 392-0200

STANDARD MOTOR PRODUCTS, INC. (Continued) **S101008344**

Facility Status:	Inactive		
Total Tanks	0		
Tank Status:	0		
Tank Error Status:	Major Data Missing (which is on the certificate)		
Tank Location:	Aboveground on crib, rack or cradle		
Install Date:	01/77		
Capacity (Gal):	1000		
Tank Type:	Steel/carbon steel		
Substance:	Not reported		
Extrnl Protection:			
Intrnl Protection:	Not reported		
Tank Containment:	None		
Pipe Type:	STEEL/IRON	Pipe Location:	Not reported
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Pipe Containment:	Not reported	Haz Percent:	0
Leak Detection:	Not reported		
Overfill Protection:	Not reported		
Chemical:	1,1,1-Trichloroethane		
Tank Closed:	07/91		
PBS Number:	Not reported	SWIS Code:	6301
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	71556
SPDES Number:	Not reported	ICS Number:	2-021443
Facility Type:	Not reported		
Operator:	MURRAY ROSE	Facility Town:	NEW YORK CITY
Emrgncy Contact:	CRAIG SWANBURG	Emrgncy Phone:	(516) 795-7147
Certified Date:	07/27/1989	Expiration Date:	07/27/1991
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	STANDARD MOTOR PRODUCTS, INC.		
Mail Contact:	MURRAY L. ROSE 37-18 NORTHERN BOULEVARD LONG ISLAND CITY, NY 11101		
Mail Phone:	(718) 392-0200		
Tank Secret:	False	Date Entered:	07/27/1989 08:38:28
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	08/20/91	Date Expired:	07/27/91
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	No
Unique Tank Id Number:	061
Date Pre-Printed Renewal App Form Was Last Printed:	08/20/1991

NY VCP:
Facility ID : V00257

124 PHELPS DODGE REFINING CORPORATION **SHWS** **S103350610**
SSE 42-02 56TH ROAD **N/A**
1/2-1 MASPETH, NY 11378
5173 ft.

Relative: Higher

Actual: 17 ft.

SHWS:

EPA ID:	NYD039138789
Region:	2
Classification	SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Facility ID Number	241002
Lat/Long :	40:43:34 / 73:55:32
Acres:	35.8 Acres
Site Type :	LAGOON
Owner Name :	PHELPS DODGE REFINING CORPORATION
Owner Address :	Not reported
Cowner Name :	Phelps Dodge Refining Corporation
Cowner Address :	42-02 56th Road
Owner Disposal :	PHELPS DODGE REFINING CORPORATION
Operator Disposal 1 :	PHELPS DODGE REFINING CORPORATION
State Op Address 1 :	42-02 56TH RD.
Operator Disposal 2 :	Phelps Dodge Refining Corporation
State Op Address 2 :	42-02 56th Road
Operator Disposal 3 :	Not reported
State Op address 3 :	Not reported
Operator Disposal 4 :	Not reported
State Op Address 4 :	Not reported
HWDP from :	1940
From to :	1983
Waste type 1 :	ASBESTOS
Waste quantity 1 :	UNKNOWN
Waste type 2 :	MERCURY
Waste quantity 2 :	UNKNOWN
Waste type 3 :	Not reported
Waste quantity 3 :	UNKNOWN
Waste type 4 :	Not reported
Waste quantity 4 :	UNKNOWN
Waste type 5 :	Not reported
Waste quantity 5 :	UNKNOWN
Waste type 6 :	Not reported
Waste quantity 6 :	UNKNOWN
Waste type 7 :	Not reported
Waste quantity 7 :	UNKNOWN
Waste type 8 :	Not reported
Waste quantity 8 :	UNKNOWN
Waste type 9 :	Not reported
Waste quantity 9 :	Not reported

Site Description : This site has been industrialized since 1891. It is surrounded by other industries and is located east of the Kosciuszko Bridge. Newtown Creek flows along the southern boundary of the facility. Phelps Dodge Refining Corporation used the facility from 1920-1983 for the production of tri-basic copper sulfate (pesticides), copper and sulfate pentahydrate and as a copper refinery. Waste sludges from the processes were stored in an unlined lagoon. Plant operations at the Laurel Hill facility h ave been discontinued since 1983. In 1986, the Phelps Dodge Refining Corp. excavated more than 10,000 cubic yards of contaminated soils from a 3.5 acre hotspot area, and transported and disposed this material in a chemical waste facility in Ohio.

PHELPS DODGE REFINING CORPORATION (Continued) **S103350610**

The New York City Department of Environmental Protection completed a Remedial Investigation / Feasibility Study (RI/FS) in 1994 and indicated contamination on other areas of the site. Phelps Dodge entered into a new Consent Agreement for RI/FS and I RMs for this site. IRMs involving asbestos abatement, waste removal and building demolition were completed in October 2000. An RI/FS was completed in 2002 and a Record of Decision (ROD) was signed on January 23, 2003. The ROD divided the property into six Operable Units (OU-1 through OU-5 were land based and OU-6 for surface waters and sediments of Newtown Creek). The ROD selected a remedy including hotspot soil removal, capping of entire property, barrier wall along creeks, a groundwater ex traction and disposal system and institutional controls. Hotspot soil removal portion of the remedy was completed in 2004. In 2004, Phelps Dodge sold the property to a developer, Sagres Partners, which has subdivided this property into various par cels and is proceeding with site redevelopment in phases. Capping of OU-1a is in progress and this parcel is being developed for a wholesale distributor. Phelps Dodge has completed design for barrier wall and groundwater treatment system. Construc tion is expected to begin early 2005. An RI/FS has commenced for the surface waters and sediments of creeks (OU-6) and a ROD is expected by the end of 2005.

Health Problems Assesment : The potential for human exposure is limited to physical contact with contaminated soils on-site. Access to the site is restricted by fences and security personnel. Remediation of the site includes a site-specific cap, which will minimize the poten tial for expsoures. Areas adjacent to the site are heavily developed with commercial/industrial facilities. Off-site exposures to site related contaminants are not expected. The surrounding area is served by public water.

Environmental Problems : The primary contaminants of concern at the site are heavy metals, including cadmium, chromium, copper, lead, mercury, and others, petroleum related hydrocarbons, and PCBs. Investigations indicate a plume of groundwater contaminated with metals ex ists underneath the property. Even though hot-spot soil removal has been completed, the property still contains elevated levels of heavy metal and semi-volatile contamination of soils. Under the ROD, hese will be managed through placement of a sit e cover, a site management plan, and institutional controls. The property is fenced and secured and is undergoing remediation. A groundwater extraction and treatment system is being constructed. Sediments of Newtown and Maspeth Creeks are being in vestigated. Preliminary investigations indicate elevated levels of heavy metals in creek sediments.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LONG ISLAND CITY	S102145507	LAUNDROMAT	11TH STREET BETW 45TH / 45		NY Spills
LONG ISLAND CITY	S102150321	11TH ST & 47TH AVE	11TH ST / 47TH AVE		NY Spills
LONG ISLAND CITY	S106867905	RAILROAD TRACKS	11TH STREET / 53RD AVE		NY Spills
LONG ISLAND CITY	S102240253	ASTORIA COMPLEX	20TH AVE AT 30TH ST		NY Spills
LONG ISLAND CITY	S102149984	21ST STREET SUB-STATION	21ST STREET SUB-STATION		NY Spills
LONG ISLAND CITY	S103573203	MANHOLE 19531	23RD STREET BTWN 30TH RD		NY Spills
LONG ISLAND CITY	1001489235	MTA NYCT QUEENS BLVD PLAZA STATION	27TH ST & QUEENS BLVD	11101	RCRA-SQG, FINDS
LONG ISLAND CITY	S106469602		27TH ST		NY Spills
LONG ISLAND CITY	1008195852	CON EDISON - GM 11101	215 -52 29TH AVE	11101	RCRA-SQG
LONG ISLAND CITY	S104653609	29TH ST & GREENPOINT AVE	29TH ST / GREENPOINT AVE		NY Spills
LONG ISLAND CITY	1006810385	MTA NYCT - ASTORIA LINE BENTS 135-	31ST ST FROM 40TH AVE TO	11101	FINDS, RCRA-LQG
LONG ISLAND CITY	1007206682	CON ED - V 1617	31ST ST E 235TH S THOMPSON AVE	11101	RCRA-SQG
LONG ISLAND CITY	S103828775	MANHOLE #1593	33RD ST / HUNTERS POINT A		NY Spills
LONG ISLAND CITY	S104789327		47TH RD W/O 5TH ST		NY Spills
LONG ISLAND CITY	S106005975	ZYLOWARE	47TH AVE		NY Spills
LONG ISLAND CITY	S103829689	EAST RIVER	48TH AVE NEAR DEAD END		NY Spills
LONG ISLAND CITY	S102146849	59TH STREET BRIDGE	59TH STREET BRIDGE		NY Spills
LONG ISLAND CITY	S102147043	ACROSS FROM E. 42ND STREE	ACROSS FROM E 42ND STREET		NY Spills
LONG ISLAND CITY	S100153353	11-08 30TH AVE/RAY'S BUS	11008 30TH AVE/RAY'S BUS		LTANKS
LONG ISLAND CITY	S102143208	11-09 BORDEN AVE	11009 BORDEN AVE		NY Spills
LONG ISLAND CITY	S102147732	BORDEN AVENUE	BORDEN AVENUE		NY Spills
LONG ISLAND CITY	S106868550	BORDEN AVE CROSSING	BORDEN AVE CROSSING		NY Spills
LONG ISLAND CITY	S100493549	QUEENS MIDTOWN TUNNEL	BORDEN / 2ND ST		LTANKS, NY Spills
LONG ISLAND CITY	S102141402	BORDEN AVE/LIRR PAS YARD	BORDEN AVE/LIRR PAS YARD		NY Spills
LONG ISLAND CITY	S102147574	BORDEN AVE /LIC PASS YARD	BORDEN AVE /LIC PASS YARD		NY Spills
LONG ISLAND CITY	S106699957	LONG ISLAND CITY RAILYARD	BORDEN AV		NY Spills
LONG ISLAND CITY	S104790582	LONG ISLAND RR YARD	BORDEN AVE		NY Spills
LONG ISLAND CITY	S102671909	BORDEN AVE/LIRR PASS YARD	BORDEN AVE/LIRR PASS YARD		NY Spills
LONG ISLAND CITY	1004760512	QUEENS WEST DEVELOPMENT CORP	CENTER BLVD 48TH TO 50TH AVE	11101	RCRA-SQG, FINDS
LONG ISLAND CITY	S104323993	QUEENS WEST (HUNTER'S POINT) PARCS	CENTER BLVD. AND 47TH RD. AND		VCP
LONG ISLAND CITY	1008195815	CON EDISON - VS 3441	FOOTHILL AVE AND 204TH STREET	11101	RCRA-SQG
LONG ISLAND CITY	S102143370	LIC PASSENGER YD/BORDEN A	LIC PASSENGER YD/BORDEN A		NY Spills
LONG ISLAND CITY	S102141324	LIRR/HUNTERS PT STATION	LIRR/HUNTERS PT STATION		NY Spills
LONG ISLAND CITY	S106718797	GANTRY STATE PARK	PIER 2 GANTRY STATE PARK		NY Spills
LONG ISLAND CITY	S102149679	23-64 27TH STREET	23064 27TH STREET		NY Spills
LONG ISLAND CITY	S102672486	5-35 54TH STREET	5-35 54TH STREET		LTANKS
LONG ISLAND CITY	S102146972	36-28 14TH STREET	36028 14TH STREET		NY Spills
LONG ISLAND CITY	S105841773	EVANS CONTAINER CORP.	35 STREET;NEWTON CREEK	11101	SWF/LF
NEW YORK	1007371337	NYSDOT BRIDGE BIN 107701A	RAMP FROM E 139TH ST OVERPASS	11101	RCRA-LQG
NEW YORK CITY	1007207184	V1876	E/S 35TH STREET 285' S/O 34TH	11101	RCRA-SQG
NEW YORK CITY	1007206911	VS5039	36TH STREET W 40' N 30TH AVENU	11101	RCRA-SQG

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D009	MERCURY
D018	BENZENE
D035	METHYL ETHYL KETONE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U121	METHANE, TRICHLOROFLUORO-
U121	TRICHLOROMONOFLUOROMETHANE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/28/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 12
Date of Last EDR Contact: 05/04/05

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/27/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 12
Date of Last EDR Contact: 05/04/05

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/15/05
Date Made Active at EDR: 04/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/05
Elapsed ASTM days: 15
Date of Last EDR Contact: 03/22/05

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/22/05
Date Made Active at EDR: 04/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/01/05
Elapsed ASTM days: 5
Date of Last EDR Contact: 04/01/05

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/29/05
Date Made Active at EDR: 05/16/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/11/05
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/07/05

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 05/20/05
Date Made Active at EDR: 06/09/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/24/05
Elapsed ASTM days: 16
Date of Last EDR Contact: 05/24/05

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Made Active at EDR: 03/24/05
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/05
Elapsed ASTM days: 56
Date of Last EDR Contact: 04/25/05

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 04/15/05
Date of Next Scheduled EDR Contact: 06/13/05

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/05
Date of Next Scheduled EDR Contact: 07/25/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/07/05
Database Release Frequency: Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/05
Date of Next Scheduled EDR Contact: 08/01/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/11/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/05
Date of Next Scheduled EDR Contact: 07/18/05

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/14/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/11/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/05
Date of Next Scheduled EDR Contact: 06/27/05

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/05
Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/05
Date of Next Scheduled EDR Contact: 08/08/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Database Release Frequency: Varies

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-8867
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/07/05
Date of Next Scheduled EDR Contact: 06/06/05

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 03/22/05
Date of Next Scheduled EDR Contact: 06/20/05

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/05/05
Date of Next Scheduled EDR Contact: 06/06/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667

Date of Government Version: 04/13/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/05
Date of Next Scheduled EDR Contact: 07/18/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/21/05
Date of Next Scheduled EDR Contact: 06/20/05

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/16/05
Date Made Active at EDR: 06/09/05
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/19/05
Elapsed ASTM days: 21
Date of Last EDR Contact: 05/13/05

SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/03/05
Date Made Active at EDR: 05/17/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 13
Date of Last EDR Contact: 05/02/05

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/02/05
Date Made Active at EDR: 05/31/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/04/05
Elapsed ASTM days: 27
Date of Last EDR Contact: 04/25/05

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 04/25/05

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 04/25/05

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 04/25/05

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 12/17/04
Date Made Active at EDR: 01/31/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/17/04
Elapsed ASTM days: 45
Date of Last EDR Contact: 04/04/05

SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 05/16/05
Date Made Active at EDR: 05/31/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/16/05
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/16/05

SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694

Date of Government Version: 04/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/19/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 02/17/05

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 09/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/28/05
Date of Next Scheduled EDR Contact: 05/30/05

AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/02/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/25/05
Date of Next Scheduled EDR Contact: 07/25/05

DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/16/05
Database Release Frequency: Annually

Date of Last EDR Contact: 05/13/05
Date of Next Scheduled EDR Contact: 08/22/05

ENG CONTROLS: Registry of Engineering Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: N/A

SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 02/23/05
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/07/05
Date of Next Scheduled EDR Contact: 05/09/05

AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 01/19/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/30/05

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 01/19/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/30/05

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/02/05

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/02/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/18/05
Date of Next Scheduled EDR Contact: 05/09/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/18/05
Date of Next Scheduled EDR Contact: 05/09/05

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/18/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/18/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

SUFFOLK COUNTY:

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/01/05
Date of Next Scheduled EDR Contact: 05/30/05

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/01/05
Date of Next Scheduled EDR Contact: 05/30/05

WESTCHESTER COUNTY:

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of underground storage tanks in Westchester County.

Date of Government Version: 05/05/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/05
Date of Next Scheduled EDR Contact: 08/29/05

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of aboveground storage tanks in Westchester County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/05/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/05
Date of Next Scheduled EDR Contact: 08/29/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 12/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 06/13/05

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 12/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 06/13/05

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/10/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/14/05
Date of Next Scheduled EDR Contact: 06/13/05

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-8867
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Database Release Frequency: Varies

Date of Last EDR Contact: 04/04/05
Date of Next Scheduled EDR Contact: 07/04/05

INST CONTROL: Registry of Institutional Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/16/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/13/05
Date of Next Scheduled EDR Contact: 08/22/05

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MILTON PAPER COMPANY
47-50 30TH STREET
LONG ISLAND CITY, NY 11101

TARGET PROPERTY COORDINATES

Latitude (North):	40.741501 - 40° 44' 29.4"
Longitude (West):	73.938103 - 73° 56' 17.2"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589658.6
UTM Y (Meters):	4510392.5
Elevation:	13 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

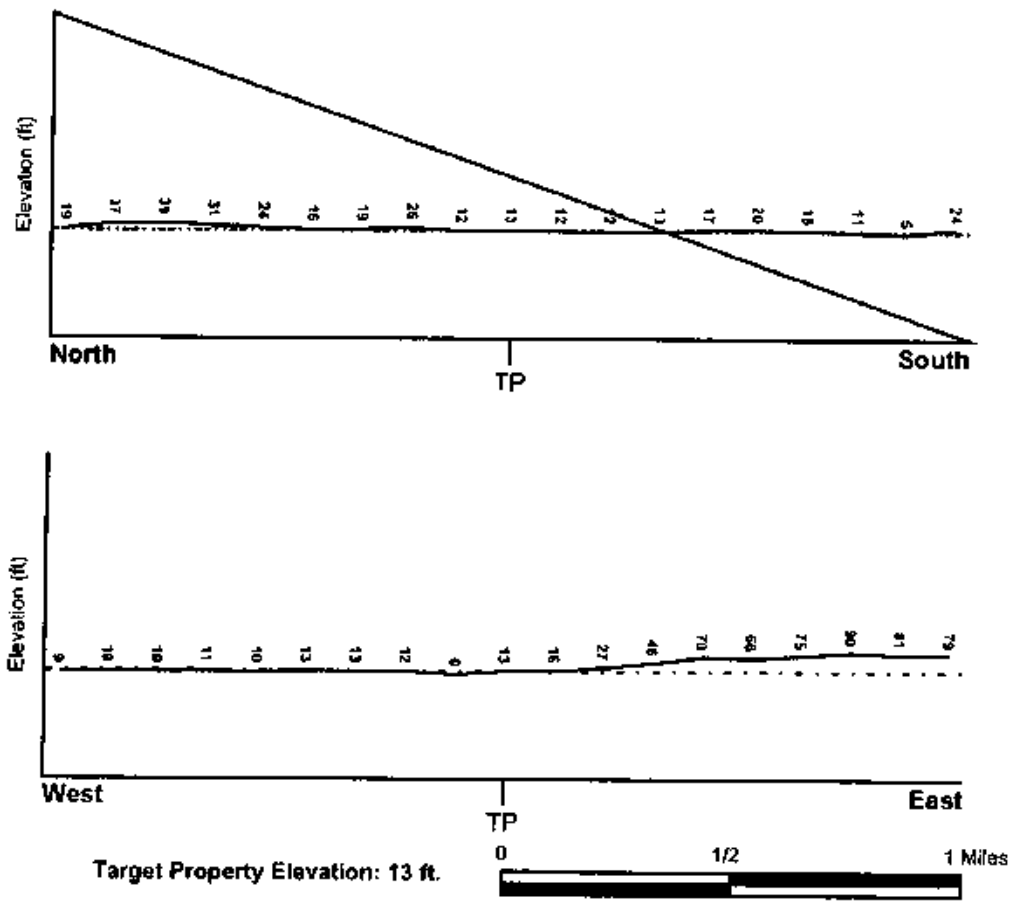
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	40073-F8 BROOKLYN, NY
General Topographic Gradient:	General SW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
QUEENS, NY	Not Available

Flood Plain Panel at Target Property: 3604970040B

Additional Panels in search area: 3604970039B
3604970048B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1998 Site-specific hydrogeological data gathered by CERCLIS Alert, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s) which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Upper Cretaceous
Code:	uK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures:	loamy sand silt loam sandy loam fine sandy loam
Surficial Soil Types:	loamy sand silt loam sandy loam fine sandy loam
Shallow Soil Types:	sandy loam
Deeper Soil Types:	very gravelly - loamy sand unweathered bedrock stratified sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2116678	0 - 1/8 Mile SE
A2	USGS2116860	0 - 1/8 Mile SSE
3	USGS2116570	1/8 - 1/4 Mile NE
4	USGS2116425	1/8 - 1/4 Mile North
5	USGS2116694	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS2382631	1/4 - 1/2 Mile NE
7	USGS2116593	1/4 - 1/2 Mile WNW
8	USGS2116497	1/4 - 1/2 Mile NW
9	USGS2116688	1/2 - 1 Mile West
10	USGS2117046	1/2 - 1 Mile SW
11	USGS2116496	1/2 - 1 Mile NE
12	USGS2116664	1/2 - 1 Mile East
13	USGS2117116	1/2 - 1 Mile SSW
14	USGS2116506	1/2 - 1 Mile NW
15	USGS2116217	1/2 - 1 Mile NNE
16	USGS2116545	1/2 - 1 Mile East
17	USGS2116899	1/2 - 1 Mile ESE
18	USGS2116995	1/2 - 1 Mile SE
19	USGS2116841	1/2 - 1 Mile WSW
20	USGS2116617	1/2 - 1 Mile ENE
21	USGS2117274	1/2 - 1 Mile SSE
B22	USGS2116455	1/2 - 1 Mile ENE
23	USGS2116571	1/2 - 1 Mile West
B24	USGS2116495	1/2 - 1 Mile ENE
25	USGS2116268	1/2 - 1 Mile North
26	USGS2117351	1/2 - 1 Mile SSE
27	USGS2117352	1/2 - 1 Mile SSW
28	USGS2116900	1/2 - 1 Mile WSW
C29	USGS2116320	1/2 - 1 Mile ENE
30	USGS2116264	1/2 - 1 Mile NNW
31	USGS2117350	1/2 - 1 Mile SSE
32	USGS2116263	1/2 - 1 Mile NNE
C33	USGS2116348	1/2 - 1 Mile NE
34	USGS2116291	1/2 - 1 Mile NNE
35	USGS2116663	1/2 - 1 Mile East
36	USGS2117045	1/2 - 1 Mile ESE
37	USGS2116290	1/2 - 1 Mile NNE
38	USGS2116604	1/2 - 1 Mile ENE
39	USGS2117444	1/2 - 1 Mile SSE
40	USGS2116169	1/2 - 1 Mile NNE
41	USGS2116629	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1465344.2s



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

TARGET PROPERTY:	Milton Paper Company	CUSTOMER:	Whitestone Associates, Inc.
ADDRESS:	47-50 30th Street	CONTACT:	Vicki Ryback
CITY/STATE/ZIP:	Long Island City NY 11101	INQUIRY #:	1465344.2s
LAT/LONG:	40.7415 / 73.9381	DATE:	July 13, 2005 8:20 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1	**FED USGS**	**USGS2116678**
SE		
0 - 1/8 Mile		
Higher		

Agency cd:	USGS	Site no:	404426073561401
Site name:	Q 1502. 1		
Latitude:	404426		
Longitude:	0735614	Dec lat:	40.74065755
Dec lon:	-73.93680429	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1096	Map scale:	Not Reported
Altitude:	15.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	93.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

	Database	EDR ID Number
A2	**FED USGS**	**USGS2116860**
SSE		
0 - 1/8 Mile		
Higher		

Agency cd:	USGS	Site no:	404424073561501
Site name:	Q 1638. 1		
Latitude:	404424		
Longitude:	0735615	Dec lat:	40.740102
Dec lon:	-73.93708207	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1096	Map scale:	Not Reported
Altitude:	13.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	73.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
NE
1/8 - 1/4 Mile
Higher

FED USGS **USGS2116570**

Agency cd:	USGS	Site no:	404435073560801
Site name:	Q 1632. 1		
Latitude:	404435		
Longitude:	0735608	Dec lat:	40.7431575
Dec lon:	-73.93513758	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1005	Map scale:	Not Reported
Altitude:	18.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	63.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
North
1/8 - 1/4 Mile
Higher

FED USGS **USGS2116425**

Agency cd:	USGS	Site no:	404442073561801
Site name:	Q 171. 1		
Latitude:	404442		
Longitude:	0735618	Dec lat:	40.7451019
Dec lon:	-73.93791544	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1084	Map scale:	Not Reported
Altitude:	46.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	500.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS2116694**

Agency cd:	USGS	Site no:	404428073555701
Site name:	Q 122. 1		
Latitude:	404428		
Longitude:	0735557	Dec lat:	40.7412131
Dec lon:	-73.93208193	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1016	Map scale:	Not Reported
Altitude:	42.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	125.	Hole depth:	140.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2382631**

Agency cd:	USGS	Site no:	404443073560101
Site name:	Q 2333. 1		
Latitude:	404443		
Longitude:	0735601	Dec lat:	40.74537969
Dec lon:	-73.93319308	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1003	Map scale:	Not Reported
Altitude:	25.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	37.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
WNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS2116593**

Agency cd:	USGS	Site no:	404437073564201
Site name:	Q 398. 1		
Latitude:	404437		
Longitude:	0735642	Dec lat:	40.74371303
Dec lon:	-73.94458229	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1054	Map scale:	Not Reported

Altitude:	2.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	67.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2116497**

Agency cd:	USGS	Site no:	404446073563501
Site name:	Q 1738. 1		
Latitude:	404446		
Longitude:	0735635	Dec lat:	40.74621298
Dec lon:	-73.9426378	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1063	Map scale:	Not Reported
Altitude:	15.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	146.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
9 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2116688**

Agency cd:	USGS	Site no:	404427073565601
Site name:	Q 17. 1		
Latitude:	404427		
Longitude:	0735656	Dec lat:	40.7409353
Dec lon:	-73.94847129	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1046	Map scale:	Not Reported
Altitude:	17.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	175.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

10 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2117046**

Agency cd:	USGS	Site no:	404407073564401
Site name:	K 692. 1		
Latitude:	404407		
Longitude:	0735644	Dec lat:	40.73537986
Dec lon:	-73.94513786	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KE1059	Map scale:	Not Reported
Altitude:	3.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	88.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
NE
1/2 - 1 Mile
Higher

FED USGS **USGS2116496**

Agency cd:	USGS	Site no:	404446073554701
Site name:	Q 1258. 1		
Latitude:	404446		
Longitude:	0735547	Dec lat:	40.74621301
Dec lon:	-73.92930408	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1023	Map scale:	Not Reported
Altitude:	55.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	63.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
East
1/2 - 1 Mile
Higher

FED USGS **USGS2116664**

Agency cd:	USGS	Site no:	404425073553901
Site name:	Q 387. 1		
Latitude:	404425		
Longitude:	0735539	Dec lat:	40.7403798
Dec lon:	-73.92708179	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1036	Map scale:	Not Reported
Altitude:	64.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	176.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

13
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2117116**

Agency cd:	USGS	Site no:	404359073562801
Site name:	K 711. 1		
Latitude:	404359		
Longitude:	0735628	Dec lat:	40.73315769
Dec lon:	-73.94069328	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KE1170	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	74.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

14
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2116506**

Agency cd:	USGS	Site no:	404447073565301
Site name:	Q 399. 1		
Latitude:	404447		
Longitude:	0735653	Dec lat:	40.74649074
Dec lon:	-73.94763794	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1043	Map scale:	Not Reported
Altitude:	13.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	68.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2116217**

Agency cd:	USGS	Site no:	404500073560601
Site name:	Q 2445. 1		
Latitude:	404500		
Longitude:	0735606	Dec lat:	40.75010181
Dec lon:	-73.93458201	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1001	Map scale:	Not Reported

Altitude:	26.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	110.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

16
East
1/2 - 1 Mile
Higher

FED USGS **USGS2116545**

Agency cd:	USGS	Site no:	404433073553601
Site name:	Q 388. 1		
Latitude:	404433		
Longitude:	0735536	Dec lat:	40.74260198
Dec lon:	-73.92624843	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1035	Map scale:	Not Reported
Altitude:	70.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	203.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
17 **ESE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116899**

Agency cd:	USGS	Site no:	404411073554201
Site name:	Q 394. 1		
Latitude:	404411		
Longitude:	0735542	Dec lat:	40.73649098
Dec lon:	-73.92791514	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1038	Map scale:	Not Reported
Altitude:	48.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	175.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

	Database	EDR ID Number
18 **SE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116995**

Agency cd:	USGS	Site no:	404403073554901
Site name:	Q 392. 1		
Latitude:	404403		
Longitude:	0735549	Dec lat:	40.7342688
Dec lon:	-73.92985964	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1029	Map scale:	Not Reported
Altitude:	65.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	166.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

19
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS2116841**

Agency cd:	USGS	Site no:	404422073570401
Site name:	Q 395. 1		
Latitude:	404422		
Longitude:	0735704	Dec lat:	40.73954643
Dec lon:	-73.95069358	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1036	Map scale:	Not Reported
Altitude:	7.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	74.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

20
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS2116617**

Agency cd:	USGS	Site no:	404439073553401
Site name:	Q 1098. 1		
Latitude:	404439		
Longitude:	0735534	Dec lat:	40.74426861
Dec lon:	-73.92569286	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1044	Map scale:	Not Reported
Altitude:	72.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	215.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

21
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2117274**

Agency cd:	USGS	Site no:	404357073555701
Site name:	Q 391. 1		
Latitude:	404357		
Longitude:	0735557	Dec lat:	40.73260216
Dec lon:	-73.93208192	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1110	Map scale:	Not Reported
Altitude:	62.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	197.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B22
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS2116455**

Agency cd:	USGS	Site no:	404444073553501
Site name:	Q 425. 1		
Latitude:	404444		
Longitude:	0735535	Dec lat:	40.74565747
Dec lon:	-73.92597065	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1043	Map scale:	Not Reported
Altitude:	75.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	159.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
West
1/2 - 1 Mile
Higher

FED USGS **USGS2116571**

Agency cd:	USGS	Site no:	404435073570601
Site name:	Q 423. 1		
Latitude:	404435		
Longitude:	0735706	Dec lat:	40.74315747
Dec lon:	-73.95124915	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1035	Map scale:	Not Reported

Altitude:	17.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	69.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B24
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS2116495**

Agency cd:	USGS	Site no:	404446073553501
Site name:	Q 453. 1		
Latitude:	404446		
Longitude:	0735535	Dec lat:	40.74621302
Dec lon:	-73.92597065	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1043	Map scale:	Not Reported
Altitude:	68.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	147.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
25 **North** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116268**

Agency cd:	USGS	Site no:	404507073552001
Site name:	Q 2721. 1		
Latitude:	404507		
Longitude:	0735620	Dec lat:	40.75204621
Dec lon:	-73.938471	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1080	Map scale:	Not Reported
Altitude:	35.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Lower Hudson. Connecticut, New Jersey, New York. Area = 720 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	300.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1972-09-28
Water quality data end date:	1975-09-28	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

	Database	EDR ID Number
26 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2117351**

Agency cd:	USGS	Site no:	404351073560501
Site name:	Q 390. 1		
Latitude:	404351		
Longitude:	0735605	Dec lat:	40.73093552
Dec lon:	-73.93430421	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1101	Map scale:	Not Reported
Altitude:	23.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	211.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

27
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2117352**

Agency cd:	USGS	Site no:	404351073563501
Site name:	K 579. 1		
Latitude:	404351		
Longitude:	0735635	Dec lat:	40.73093551
Dec lon:	-73.94263778	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KE1161	Map scale:	Not Reported
Altitude:	7.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	82.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS2116900**

Agency cd:	USGS	Site no:	404411073570601
Site name:	K 465. 1		
Latitude:	404411		
Longitude:	0735706	Dec lat:	40.73649094
Dec lon:	-73.95124915	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	047
Country:	US	Land net:	Not Reported
Location map:	KE1038	Map scale:	Not Reported
Altitude:	10.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	400.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

C29
ENE
1/2 - 1 Mile
Higher

FED USGS USGS2116320

Agency cd:	USGS	Site no:	404451073553401
Site name:	Q 386. 1		
Latitude:	404451		
Longitude:	0735534	Dec lat:	40.74760188
Dec lon:	-73.92569286	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1042	Map scale:	Not Reported
Altitude:	75.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	222.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

30
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS2116264**

Agency cd:	USGS	Site no:	404506073564201
Site name:	Q 962. 1		
Latitude:	404506		
Longitude:	0735642	Dec lat:	40.75176843
Dec lon:	-73.94458229	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1050	Map scale:	Not Reported
Altitude:	20.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	195.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

31
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2117350**

Agency cd:	USGS	Site no:	404351073555801
Site name:	Q 603. 1		
Latitude:	404351		
Longitude:	0735558	Dec lat:	40.73093553
Dec lon:	-73.93235971	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1111	Map scale:	Not Reported

Altitude:	69.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	202.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

32
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2116263**

Agency cd:	USGS	Site no:	404506073555401
Site name:	Q 13. 1		
Latitude:	404506		
Longitude:	0735554	Dec lat:	40.75176846
Dec lon:	-73.93124857	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1010	Map scale:	Not Reported
Altitude:	24.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	89.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
C33 **NE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116348**

Agency cd:	USGS	Site no:	404453073553301
Site name:	Q 602. 1		
Latitude:	404453		
Longitude:	0735533	Dec lat:	40.74815743
Dec lon:	-73.92541508	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1042	Map scale:	Not Reported
Altitude:	50.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	159.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

34 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116291**

Agency cd:	USGS	Site no:	404510073560402
Site name:	Q 3122. 2		
Latitude:	404510		
Longitude:	0735604	Dec lat:	40.75287954
Dec lon:	-73.93402643	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	CENTRAL PARK R-25-4	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	20000614
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N
Aquifer Type:	Unconfined single aquifer
Aquifer:	GLACIAL AQUIFER,UPPER
Well depth:	55.0
Source of depth data:	owner
Real time data flag:	0
Daily flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00
Peak flow data count:	0
Water quality data end date:	0000-00-00
Ground water data begin date:	2000-07-24
Ground water data count:	54

Type of ground water site:	Single well, other than collector or Ranney type
Hole depth:	55.0
Project number:	443600240
Daily flow data begin date:	0000-00-00
Daily flow data count:	0
Peak flow data end date:	0000-00-00
Water quality data begin date:	0000-00-00
Water quality data count:	0
Ground water data end date:	2005-02-23

Ground-water levels, Number of Measurements: 54

Date	Feet below Surface	Feet to Sealevel
2005-02-23		14.42
2004-11-17		14.54
2004-09-22		14.49
2004-07-22		14.13
2004-05-25		14.13
2004-03-17		14.12
2003-12-29		14.24
2003-10-30		14.14
2003-08-28		14.26
2003-06-26		14.16
2003-04-24		13.78
2003-02-26		13.54
2002-12-23		13.35
2002-10-23		13.10
2002-08-28		12.70
2002-06-26		12.80
2002-04-26		12.72
2002-02-26		13.05
2001-12-27		13.45
2001-10-23		14.58
2001-08-22		15.17
2001-06-27		15.06
2001-04-24		14.44
2001-02-26		13.78
2000-12-20		12.91
2000-10-24		13.00
2000-08-28		12.82
2004-12-17		14.55
2004-10-26		14.52
2004-08-24		14.35
2004-06-23		14.03
2004-04-29		14.10
2004-02-25		14.21
2003-11-26		14.13
2003-09-26		14.23
2003-07-30		14.13
2003-05-28		13.85
2003-03-19		13.57
2003-01-30		13.38
2002-11-22		13.32
2002-09-24		12.84
2002-07-18		12.76
2002-05-30		12.78
2002-03-19		12.90
2002-01-29		13.20
2001-11-20		13.83
2001-09-25		15.36
2001-07-25		15.02
2001-05-23		14.75
2001-03-19		14.03
2001-01-31		13.48
2000-11-29		12.89
2000-09-27		12.86
2000-07-24		12.56

35
East
1/2 - 1 Mile
Higher

FED USGS **USGS2116663**

Agency cd:	USGS	Site no:	404425073552301
Site name:	Q 952. 1		
Latitude:	404425		
Longitude:	0735523	Dec lat:	40.74037981
Dec lon:	-73.92263721	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1056	Map scale:	Not Reported
Altitude:	29.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	57.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

36
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS2117045**

Agency cd:	USGS	Site no:	404407073552901
Site name:	Q 429. 1		
Latitude:	404407		
Longitude:	0735529	Dec lat:	40.7353799
Dec lon:	-73.92430392	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1048	Map scale:	Not Reported
Altitude:	64.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	234.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

37
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2116290**

Agency cd:	USGS	Site no:	404510073555301
Site name:	Q 1635. 1		
Latitude:	404510		
Longitude:	0735553	Dec lat:	40.75287955
Dec lon:	-73.93097078	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1010	Map scale:	Not Reported
Altitude:	3.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	40.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS2116604**

Agency cd:	USGS	Site no:	404438073552001
Site name:	Q 369. 1		
Latitude:	404438		
Longitude:	0735520	Dec lat:	40.74399085
Dec lon:	-73.92180386	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1054	Map scale:	Not Reported

Altitude:	80.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	152.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

39
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2117444**

Agency cd:	USGS	Site no:	404345073555701
Site name:	Q 393. 1		
Latitude:	404345		
Longitude:	0735557	Dec lat:	40.72926889
Dec lon:	-73.93208192	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF1112	Map scale:	Not Reported
Altitude:	17.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	170.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
40 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2116169**

Agency cd:	USGS	Site no:	404516073560001
Site name:	Q 1912. 1		
Latitude:	404516		
Longitude:	0735600	Dec lat:	40.75454618
Dec lon:	-73.93291528	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QF 919	Map scale:	Not Reported
Altitude:	40.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	400.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

	Database	EDR ID Number
41 **WNW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2116629**

Agency cd:	USGS	Site no:	404440073572401
Site name:	Q 966. 1		
Latitude:	404440		
Longitude:	0735724	Dec lat:	40.74454632
Dec lon:	-73.9562493	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QE1004	Map scale:	Not Reported
Altitude:	8.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Northern Long Island. New York. Area = 915 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N
Aquifer Type:	Not Reported
Aquifer:	Not Reported
Well depth:	Not Reported
Source of depth data:	Not Reported
Real time data flag:	Not Reported
Daily flow data end date:	Not Reported
Peak flow data begin date:	Not Reported
Peak flow data count:	Not Reported
Water quality data end date:	Not Reported
Ground water data begin date:	Not Reported
Ground water data count:	Not Reported

Type of ground water site:	Single well, other than collector or Ranney type
Hole depth:	200.
Project number:	Not Reported
Daily flow data begin date:	Not Reported
Daily flow data count:	Not Reported
Peak flow data end date:	Not Reported
Water quality data begin date:	Not Reported
Water quality data count:	Not Reported
Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
11101	2	2 (100%)	0 (0%)	0 (0%)	0.65	1.0

Federal EPA Radon Zone for QUEENS County: 3

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

Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
L.I.C. N.Y.	S102145507	LAUNDROMAT	11TH STREET BETW 45TH / 45		NY Hist Spills, NY Spills
LONG ISLNAD CITY	S102150321	11TH ST & 47TH AVE	11TH ST / 47TH AVE		NY Hist Spills, NY Spills
LONG ISLAND CITY	S106867905	RAILROAD TRACKS	11TH STREET / 53RD AVE		NY Spills
ASTORIA	S102240253	ASTORIA CABLE YARD	20TH AV		NY Hist Spills, NY Spills
LONG ISLAND CITY	S102149984	21ST STREET SUB-STATION	21ST STREET SUB-STATION		NY Hist Spills, NY Spills
LONG ISLAND CITY	S103573203	MANHOLE 19531	23RD STREET BTWN 30TH RD		NY Hist Spills, NY Spills
LONG ISLAND CITY	1001489235	MTA NYCT QUEENS BLVD PLAZA STATION	27TH ST & QUEENS BLVD	11101	RCRA-SQG, FINDS
LONG ISLAND CITY	S106469602		27TH ST		NY Spills
LONG ISLAND CITY	1008195852	CON EDISON - GM 11101	215 -52 29TH AVE	11101	RCRA-SQG
LONG ISLAND CITY	S104653609	29TH ST & GREENPOINT AVE	29TH ST / GREENPOINT AVE		NY Hist Spills, NY Spills
LONG ISLAND CITY	1006810385	MTA NYCT - ASTORIA LINE BENTS 135-163	31ST ST FROM 40TH AVE TO	11101	RCRA-LQG, FINDS
LONG ISLAND CITY	1007206682	CON ED - V 1617	31ST ST E 235TH S THOMPSON AVE	11101	RCRA-SQG
LONG ISLAND CITY	S103828775	MANHOLE #1593	33RD ST / HUNTERS POINT A		NY Hist Spills, NY Spills
LOND ISLAND CITY	S104789327		47TH RD W/O 5TH ST		NY Hist Spills, NY Spills
LONG ISLAND CITY	S106005975	ZYLOWARE	47TH AVE		NY Spills
LONG ISLAND CITY	S103829689	EAST RIVER	48TH AVE NEAR DEAD END		NY Hist Spills, NY Spills
LONG ISLAND CITY	S102146849	UNDER 59TH ST BRIDGE	QUEENS SIDE		NY Hist Spills, NY Spills
LONG ISLAND CITY	S102147043	ACROSS FROM E. 42ND STREE	ACROSS FROM E 42ND STREET		NY Hist Spills, NY Spills
LIC	S100153353	CLOSED-LACKOF RECENT INFO	11008 30TH AVE/RAY S BUS		HIST LTANKS, LTANKS
LIC	S102143208	11-09 BORDEN AVE	11-09 BORDEN AVE		NY Hist Spills, NY Spills
LONG ISLAND CITY	S102147732	BORDEN AVENUE	BORDEN AVENUE		NY Hist Spills, NY Spills
LONG ISLAND CITY	S106868550	BORDEN AVE CROSSING	BORDEN AVE CROSSING		NY Spills
LONG ISLAND CITY	S100493549	QUEENS MIDTOWN TUNNEL	10-55 51ST AVENUE		NY Hist Spills, NY Spills, HIST LTANKS, LTANKS
LIC	S102141402	LIRR	BORDEN AVE/LIRR PAS YARD		NY Hist Spills, NY Spills
LIC	S102147574	LIRR	BORDEN AVE /LIC PASS YARD		NY Hist Spills, NY Spills
LONG ISLAND CITY	S106699957	LIRR	BORDEN AVE		NY Hist Spills, NY Spills
LONG ISLAND CITY	S104790582	LIRR	BORDEN AVE		NY Hist Spills, NY Spills
LIC	S102671909	LIRR	BORDEN AVE/LIRR PASS YARD		NY Hist Spills, NY Spills
LONG ISLAND CITY	1004760512	QUEENS WEST DEVELOPMENT CORP	CENTER BLVD 48TH TO 50TH AVE	11101	RCRA-SQG, FINDS
LONG ISLAND CITY	S104323993	QUEENS WEST (HUNTER'S POINT) PARCS. 8&9	CENTER BLVD. AND 47TH RD. AND 48TH AVE.		VCP
LONG ISLAND CITY	1008195815	CON EDISON - VS 3441	FOOTHILL AVE AND 204TH STREET	11101	RCRA-SQG
LONG ISLAND CITY	S102143370	LIC PASSENGER YD/BORDEN A	LIC PASSENGER YD/BORDEN A		NY Hist Spills, NY Spills
LIC	S102141324	LIRR	LIRR/HUNTERS PT STATION		NY Hist Spills, NY Spills
LONG ISLAND CITY	S106718797	GANTRY STATE PARK	PIER 2 GANTRY STATE PARK		NY Spills
LONG ISLAND CITY	S102149679	23-64 27TH STREET	23-64 27TH STREET		NY Hist Spills, NY Spills
LONG ISLAND CITY	S102672486	5-35 54TH STREET	5-35 54TH STREET		HIST LTANKS, LTANKS
LONG ISLAND CITY	S102146972	36-28 14TH STREET	36-28 14TH STREET		NY Hist Spills, NY Spills
LONG ISLAND CITY	S105841773	EVANS CONTAINER CORP.	35 STREET;NEWTON CREEK	11101	SWF/LF
NEW YORK	1007371337	NYSDOT BRIDGE BIN 107701A	RAMP FROM E 139TH ST OVERPASS	11101	RCRA-LOG
NEW YORK CITY	1007207184	V1876	E/S 35TH STREET 285' S/O 34TH	11101	RCRA-SQG
NEW YORK CITY	1007206911	VS5039	36TH STREET W 40' N 30TH AVENU	11101	RCRA-SQG

Site	Database(s)	EDR ID Number EPA ID Number
LAUNDROMAT **11TH STREET BETW 45TH / 45** **L.I.C. N.Y., NY**	**NY Hist Spills** **NY Spills**	**S102145507** **N/A**

HIST SPILLS:

Spill Number:	8906415	Region of Spill:	2
Investigator:	O'DOWD	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	09/29/1989 13:30	Reported to Dept:	09/29/89 13:40
Spill Cause:	Unknown	Resource Affected:	Air
Water Affected:	Not reported	Spill Source:	Unknown
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		

DEC Remarks : 09/29/89: FIRE DEPT NOTIFIED AND ON SITE.DEP HAS NO RECORD OF THIS SPILL.

Remark: PEOPLE AFFECTED BY THIS COULD NOT BREATHE,FELT SCRATCHY THROAT AND IRRITATED SKIN.

Spill Class: Not reported

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Not reported
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt: 09/29/89
Cleanup Ceased: 09/29/89
Last Inspection: / / Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/03/89
Date Region Sent Summary to Central Office: / /

SPILLS:

Spill Number:	8906415	Region of Spill:	2
Spill Date:	09/29/89		
Date Call Received:	09/29/89		

Site	Database(s)	EDR ID Number EPA ID Number

LAUNDROMAT (Continued) S102145507

Region Close Date : 09/29/89
Spill Cause: Unknown
Water Affected: Not reported
Material Spilled: UNKNOWN PETROLEUM
PBS: Not reported
Resource Affected: Air
Spill Source: UNKNOWN
Amount Spilled: -1 lbs.

11TH ST & 47TH AVE
11TH ST / 47TH AVE
LONG ISLNAD CITY, NY

NY Hist Spills S102150321
NY Spills N/A

HIST SPILLS:
Spill Number: 9503225
Investigator: MARTINKAT
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 06/15/1995 09:30
Spill Cause: Equipment Failure
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Responsible Party
Spiller Contact: Not reported
Spiller: APOLLO PETROLEUM TRANSP.
Spiller Address: 500 KINGSLANFD AVE
BROOKLYN, NY 11222
DEC Remarks : Not reported
Remark: 2 BLOCKS CLOSED - FD ON SCENE - COMING FROM TRUCK - SPILLED ON STREET
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 06/15/95 09:34
Resource Affected: On Land
Spill Source: Commercial Vehicle
Facility Tele: (718) 389-4500
PBS Number: Not reported
Spiller Phone: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625

Spill Closed Dt: 06/15/95
Cleanup Ceased: 06/15/95
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Cleanup Meets Std:True
Enforcement Date: / /
UST Involvement: False

Site	Database(s)	EDR ID Number EPA ID Number

11TH ST & 47TH AVE (Continued) S102150321

Date Spill Entered In Computer Data File: 06/21/95
Date Region Sent Summary to Central Office: / /

SPILLS:

Spill Number:	9503225	Region of Spill:	2
Spill Date:	06/15/95		
Date Call Received:	06/15/95		
Region Close Date :	06/15/95		
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	COMMERCIAL VEHICLE
Material Spilled:	DIESEL	Amount Spilled:	-1 Gal.
PBS:	Not reported		

RAILROAD TRACKS
11TH STREET / 53RD AVE
LONG ISLAND CITY, NY

NY Spills **S106867905**
N/A

SPILLS:

Spill Number:	0500321	Region of Spill:	2
Spill Date:	4/7/2005 3:08:00 AM		
Date Call Received:	Not reported		
Region Close Date :	Not Closed		
Spill Cause:	Other	Resource Affected:	Soil
Water Affected:	Not reported	Spill Source:	RAILROAD CAR
Material Spilled:	Diesel	Amount Spilled:	Gal.
PBS:	Not reported		

ASTORIA CABLE YARD
20TH AV
ASTORIA, NY

NY Hist Spills **S102240253**
NY Spills **N/A**

HIST SPILLS:

Spill Number:	9603619	Region of Spill:	2
Investigator:	O'CONNELL	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	06/15/1996 09:20	Reported to Dept:	06/15/96 10:14
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	RICHARD ROACH	Facility Tele:	(212) 580-6764
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Spiller Contact:	ROACH	Spiller Phone:	(212) 580-6764
Spiller:	CON ED		
Spiller Address:	4 IRVING PLACE MANHATTAN, NY 10003		
DEC Remarks :	Not reported		
Remark:	equipment failure on a compressor - 3 o spill on soil - cleaned up		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Site | Database(s) | EDR ID Number / EPA ID Number

ASTORIA CABLE YARD (Continued) S102240253

Material:
Material Class Type: 3
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 1
Unknown Qty Recovered: False
Material: ANTIFREEZE
Class Type: Non Pet/Non Haz
Chem Abstract Service Number: ANTIFREEZE
Last Date: Not reported
Num Times Material Entry In File: 0
Spill Closed Dt: 04/24/98
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 04/24/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/15/96
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9603619
Region of Spill: 2
Spill Date: 06/15/96
Date Call Received: 06/15/96
Region Close Date : 04/24/98
Spill Cause: Equipment Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Material Spilled: ANTIFREEZE
Amount Spilled: 1 Gal.
PBS: Not reported
This is the most recent NY SPILLS record for this site.

The NY SPILLS database may contain additional details for this site.
Please contact your EDR Account Executive for more information

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21ST STREET SUB-STATION
21ST STREET SUB-STATION
LONG ISLAND CITY, NY

NY Hist Spills S102149984
NY Spills N/A

HIST SPILLS:
Spill Number: 9500841
Region of Spill: 2
Investigator: HALE
SWIS: 63
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 04/20/1995 15:30
Reported to Dept: 04/20/95 16:02
Spill Cause: Unknown
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Unknown
Facility Contact: Not reported
Facility Tele: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: METRIC SYSTEMS CENTRAL
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: CONTRACTOR REMOVING OIL TANKS AT APARTMENT COMPLEX - OIL LEAKED INTO

Site	Database(s)	EDR ID Number EPA ID Number

21ST STREET SUB-STATION (Continued) S102149984

SUBWAY ROOM OF 600 SQ FEET. CALLER STATES 1 OF OIL IS COVERING FLOOR. UNKNOWN CLEANUP STATUS.

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: -1
- Units: Pounds
- Unknown Qty Spilled: -1
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: #2 FUEL OIL
- Class Type: Petroleum
- Chem Abstract Service Number: #2 FUEL OIL
- Last Date: 12/07/1994
- Num Times Material Entry In File: 24464

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 10/17/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/12/95
Date Region Sent Summary to Central Office: / /

SPILLS:
- Spill Number: 9500841 Region of Spill: 2
- Spill Date: 04/20/95
- Date Call Received: 04/20/95
- Region Close Date : Not Closed
- Spill Cause: Unknown Resource Affected: On Land
- Water Affected: Not reported Spill Source: UNKNOWN
- Material Spilled: #2 FUEL OIL Amount Spilled: -1 lbs.
- PBS: Not reported

MANHOLE 19531
23RD STREET BTWN 30TH RD
LONG ISLAND CITY, NY

NY Hist Spills S103573203
NY Spills N/A

HIST SPILLS:
- Spill Number: 9809055 Region of Spill: 2
- Investigator: ENGELHARDT SWIS: 63
- Caller Name: Not reported Caller Agency: Not reported
- Caller Phone: Not reported Caller Extension: Not reported
- Notifier Name: Not reported Notifier Agency: Not reported
- Notifier Phone: Not reported Notifier Extension: Not reported
- Spill Date: 10/20/1998 14:20 Reported to Dept: 10/20/98 15:30
- Spill Cause: Unknown Resource Affected: On Land
- Water Affected: Not reported Spill Source: Unknown

Site	Database(s)	EDR ID Number EPA ID Number

MANHOLE 19531 (Continued) S103573203

Facility Contact: Not reported
Facility Tele: Not reported
Spill Notifier: Other
PBS Number: Not reported
Spiller Contact: LISA
Spiller Phone: (212) 580-6763
Spiller: UNKNOWN
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: con ed 120656 samples are taken cleanup is in 48 hours to betreated as 50 to 499 pcp .
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: 0
- Units: Gallons
- Unknown Qty Spilled: No
- Quantity Recovered: 0
- Unknown Qty Recovered: True
- Material: OTHER PETROLEUM
- Class Type: Petroleum
- Chem Abstract Service Number: OTHER PETROLEUM
- Last Date: 09/29/1994
- Num Times Material Entry In File: 996

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 10/22/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/20/98
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9809055
Region of Spill: 2
Spill Date: 10/20/98
Date Call Received: 10/20/98
Region Close Date : 11/14/03
Spill Cause: Unknown
Resource Affected: On Land
Water Affected: Not reported
Spill Source: UNKNOWN
Material Spilled: Not reported
Amount Spilled: Not reported
PBS: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
MTA NYCT QUEENS BLVD PLAZA STATION **27TH ST & QUEENS BLVD** **LONG ISLAND CITY, NY 11101**	**RCRA-SQG** **FINDS**	**1001489235** **NYR000072959**

RCRAInfo:
Owner: MTA NYCT
(718) 243-4581
EPA ID: NYR000072959
Contact: HOWARD MATZA
(718) 243-4581
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

27TH ST **LONG ISLAND CITY, NY**	**NY Spills**	**S106469602** **N/A**

SPILLS:

Spill Number:	0402307	Region of Spill:	2
Spill Date:	06/01/04		
Date Call Received:	06/01/04		
Region Close Date :	09/17/04		
Spill Cause:	Unknown	Resource Affected:	Soil
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Material Spilled:	UNKNOWN PETROLEUM	Amount Spilled:	0 lbs.
PBS:	Not reported		

CON EDISON - GM 11101 **215 -52 29TH AVE** **LONG ISLAND CITY, NY 11101**	**RCRA-SQG**	**1008195852** **NYP004116919**

RCRAInfo:
Owner: CONSOLIDATED EDISON COMPANY OF NY, INC.
EPA ID: NYP004116919
Contact: ANTHONY DRUMMINGS
(212) 460-3770
Classification: Large Quantity Generator
TSDF Activities: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
CON EDISON - GM 11101 (Continued)		1008195852
Violation Status: No violations found		

29TH ST & GREENPOINT AVE
29TH ST / GREENPOINT AVE
LONG ISLAND CITY, NY

NY Hist Spills S104653609
NY Spills N/A

HIST SPILLS:

Spill Number:	0003107	Region of Spill:	2
Investigator:	TIPPLE	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	06/12/2000 12:00	Reported to Dept:	06/13/00 08:12
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spiller Contact:	CALLER	Spiller Phone:	Not reported
Spiller:	HUGO NEU SCNITZER EAST		
Spiller Address:	30-27 GREENPOINT AVE LONG ISLAND CITY, NY		
DEC Remarks :	Not reported		
Remark:	spill coming from under fence next to callers property.		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	20
Units:	Gallons
Unknown Qty Spilled:	20
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	WASTE OIL
Class Type:	Petroleum
Chem Abstract Service Number:	WASTE OIL
Last Date:	09/27/1994
Num Times Material Entry In File:	9509

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 06/13/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/13/00
Date Region Sent Summary to Central Office: / /

Site	Database(s)	EDR ID Number EPA ID Number

29TH ST & GREENPOINT AVE (Continued) S104653609

SPILLS:

Spill Number:	0003107	Region of Spill:	2
Spill Date:	06/12/00		
Date Call Received:	06/13/00		
Region Close Date :	Not Closed		
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Material Spilled:	WASTE OIL	Amount Spilled:	20 Gal.
PBS:	Not reported		

MTA NYCT - ASTORIA LINE BENTS 135-163
31ST ST FROM 40TH AVE TO
LONG ISLAND CITY, NY 11101

RCRA-LQG 1006810385
FINDS NYR000110577

RCRAInfo:

Owner: MTA NEW YORK CITY TRANSIT
(646) 252-3500
EPA ID: NYR000110577

Contact: WILLIAM JEHLE
(646) 252-3500

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CON ED - V 1617
31ST ST E 235TH S THOMPSON AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1007206682
NYP004014205

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

Site	Database(s)	EDR ID Number EPA ID Number

MANHOLE #1593
33RD ST / HUNTERS POINT A
LONG ISLAND CITY, NY

NY Hist Spills **S103828775**
NY Spills **N/A**

HIST SPILLS:

Spill Number:	9814570	Region of Spill:	2
Investigator:	ENGELHARDT	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	03/05/1999 22:30	Reported to Dept:	03/05/99 23:14
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Unknown
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spiller Contact:	LISA PRIMEGGIA	Spiller Phone:	(212) 580-6763
Spiller:	UNKNOWN		
Spiller Address:	Not reported		

DEC Remarks : Con ed e2mis notes: Approx 2 gal unknown oil on approx 100 gal water in mh. <1.00ppm pcb, Cleanup completed and tag removed.

Remark: con ed employees found unknown oil floating on water contain in a manhole - clean will begin pending lab results

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	2
Units:	Gallons
Unknown Qty Spilled:	2
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt: 03/11/99
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 06/20/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/05/99
Date Region Sent Summary to Central Office: / /

SPILLS:

Spill Number:	9814570	Region of Spill:	2
Spill Date:	03/05/99		

Site	Database(s)	EDR ID Number EPA ID Number

MANHOLE #1593 (Continued) S103828775

Date Call Received: 03/05/99
Region Close Date : 03/11/99
Spill Cause: Unknown
Water Affected: Not reported
Material Spilled: UNKNOWN PETROLEUM
PBS: Not reported
Resource Affected: On Land
Spill Source: UNKNOWN
Amount Spilled: 2 Gal.

47TH RD W/O 5TH ST
LOND ISLAND CITY, NY

NY Hist Spills S104789327
NY Spills N/A

HIST SPILLS:

Spill Number: 0006818
Investigator: SANGESLAND
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 09/08/2000 14:00
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Other
Spiller Contact: LARRY FORD
Spiller: UNKNOWN
Spiller Address: Not reported
DEC Remarks : Not reported
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 09/08/00 14:27
Resource Affected: On Land
Spill Source: Unknown
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: (718) 786-2034

Remark: DURING DEMOLITION AT ABOVE LOCATION A POOL OF ABOVE MATERIAL HAS BEEN DISCOVERED. CALLER IS REQUESTING STEVE SANGEFLAND FROM REGIONAL OFFICE CONTACT HIM.

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 09/11/00
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

Site | Database(s) | EDR ID Number / EPA ID Number

(Continued) S104789327

Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/08/00
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 0006818
Spill Date: 09/08/00
Date Call Received: 09/08/00
Region Close Date : 11/21/03
Spill Cause: Unknown
Water Affected: Not reported
Material Spilled: UNKNOWN PETROLEUM
PBS: Not reported
Region of Spill: 2
Resource Affected: On Land
Spill Source: UNKNOWN
Amount Spilled: Unknown Gal.

ZYLOWARE
47TH AVE
LONG ISLAND CITY, NY

NY Spills S106005975
N/A

SPILLS:
Spill Number: 0204382
Spill Date: 05/15/02
Date Call Received: 07/26/02
Region Close Date : 07/26/02
Spill Cause: Other
Water Affected: Not reported
Material Spilled: WASTE OIL
PBS: Not reported
Region of Spill: 2
Resource Affected: On Land
Spill Source: OTHER COMM/INDUSTRIAL
Amount Spilled: Unknown Gal.

EAST RIVER
48TH AVE NEAR DEAD END
LONG ISLAND CITY, NY

NY Hist Spills S103829689
NY Spills N/A

HIST SPILLS:
Spill Number: 9900055
Investigator: SANGESLAND
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 04/02/1999 08:00
Spill Cause: Unknown
Water Affected: EAST RIVER
Facility Contact: Not reported
Spill Notifier: Citizen
Spiller Contact: CALLER
Spiller: UNKNOWN
Spiller Address: Not reported
DEC Remarks : Not reported
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 04/02/99 08:36
Resource Affected: Surface Water
Spill Source: Vessel
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: Not reported
Remark: caller states that there is unk material on the river possiably from a vessel
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Site	Database(s)	EDR ID Number EPA ID Number
EAST RIVER (Continued)		S103829689

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 04/05/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/02/99
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9900055 Region of Spill: 2
Spill Date: 04/02/99
Date Call Received: 04/02/99
Region Close Date : 07/21/03
Spill Cause: Unknown Resource Affected: Surface Water
Water Affected: EAST RIVER Spill Source: VESSEL
Material Spilled: UNKNOWN PETROLEUM Amount Spilled: Unknown Gal.
PBS: Not reported

UNDER 59TH ST BRIDGE
QUEENS SIDE
LONG ISLAND CITY, NY

NY Hist Spills S102146849
NY Spills N/A

HIST SPILLS:
Spill Number: 9305815 Region of Spill: 2
Investigator: ENGLEHARDT SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spill Date: 08/11/1993 09:48 Reported to Dept: 08/11/93 10:25
Spill Cause: Equipment Failure Resource Affected: On Land
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Facility Contact: Not reported Facility Tele: Not reported
Spill Notifier: Responsible Party PBS Number: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: CON-ED
Spiller Address: Not reported
DEC Remarks : Duplicate of spill 9305820.
Remark: SPILL ON SOIL - REPAIR TO BE STARTED 1100 HRS - UNK CLEAN UP - 212-460-2066 ENVIR. AFFAIRS DEPT OF CON-ED MAY HAVE INFO. ON POSSIBLE LEAN UP.

Site | Database(s) | EDR ID Number / EPA ID Number

UNDER 59TH ST BRIDGE (Continued) S102146849

Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: NON PCB OIL
Class Type: Petroleum
Chem Abstract Service Number: NON PCB OIL
Last Date: 09/28/1994
Num Times Material Entry In File: 2798
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/11/93
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9305815
Region of Spill: 2
Spill Date: 08/11/93
Date Call Received: 08/11/93
Region Close Date : 04/27/04
Spill Cause: Equipment Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Material Spilled: NON PCB OIL
Amount Spilled: 0 lbs.
PBS: Not reported

ACROSS FROM E. 42ND STREE
ACROSS FROM E 42ND STREET
LONG ISLAND CITY, NY

NY Hist Spills S102147043
NY Spills N/A

HIST SPILLS:
Spill Number: 9307706
Region of Spill: 2
Investigator: TANG
SWIS: 63
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 09/21/1993 11:00
Reported to Dept: 09/21/93 11:13
Spill Cause: Unknown
Resource Affected: Surface Water
Water Affected: Not reported
Spill Source: Unknown
Facility Contact: Not reported
Facility Tele: Not reported
Spill Notifier: Citizen
PBS Number: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

ACROSS FROM E. 42ND STREE (Continued) S102147043

Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: UNK
Spiller Address: Not reported
DEC Remarks : 10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK ORANGE SUBS.
Remark: UP DATE 1117 HR. SMALL BOAT USCG EN ROUTE TO INVEST. BY P.O. DOOLEY 212)668-7920 USCG) REFER TO SPDES.
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: 03/31/95
Cleanup Ceased: 03/31/95
Last Inspection: / / Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 03/31/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/27/93
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9307706 Region of Spill: 2
Spill Date: 09/21/93
Date Call Received: 09/21/93
Region Close Date : 03/31/95
Spill Cause: Unknown Resource Affected: Surface Water
Water Affected: Not reported Spill Source: UNKNOWN
Material Spilled: UNKNOWN PETROLEUM Amount Spilled: 0 lbs.
PBS: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

CLOSED-LACKOF RECENT INFO — HIST LTANKS S100153353
11008 30TH AVE/RAY S BUS — LTANKS N/A
LIC, NY

HIST LTANKS:

Spill Number:	9105040	Region of Spill:	2
Spill Date:	08/09/1991 12:00	Reported to Dept:	08/09/91 15:13
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	SULLIVAN	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	/ /		
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	True		
Spill Record Last Update:	07/03/95		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	08/19/91		
Date Region Sent Summary to Central Office:	/ /		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	0
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Gallons
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE
Last Date:	09/29/1994
Num Times Material Entry In File:	21329

DEC Remarks: Not reported
Spill Cause: 4K TANK/ AIR TEST - 100 LBS PER HOUR. WILL EXCAVATE, ISOLATE RETEST

LTANKS:

Site	Database(s)	EDR ID Number EPA ID Number

CLOSED-LACKOF RECENT INFO (Continued) S100153353

Spill Number:	9105040	Region of Spill:	2
Spill Date:	08/09/91		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Dt Call Received:	08/09/91		
Material Spilled:	GASOLINE	Amount Spilled:	-1 Gal.
Region Close Dt:	03/05/03		
PBS:	Not reported		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

11-09 BORDEN AVE
11-09 BORDEN AVE
LIC, NY

NY Hist Spills S102143208
NY Spills N/A

HIST SPILLS:

Spill Number:	9205994	Region of Spill:	2
Investigator:	SULLIVAN	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	08/17/1992 12:00	Reported to Dept:	08/24/92 15:57
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Gas Station
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Other	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	MTA-LIRR		
Spiller Address:	Not reported		
DEC Remarks :	Not reported		
Remark:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Not reported
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended

Site	Database(s)	EDR ID Number EPA ID Number

11-09 BORDEN AVE (Continued) S102143208

Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 07/03/95
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/01/92
Date Region Sent Summary to Central Office: / /
Enforcement Date: / /
UST Involvement: False

SPILLS:
Spill Number: 9205994
Spill Date: 08/17/92
Date Call Received: 08/24/92
Region Close Date : Not Closed
Spill Cause: Unknown
Water Affected: Not reported
Material Spilled: UNKNOWN PETROLEUM
PBS: Not reported
Region of Spill: 2
Resource Affected: On Land
Spill Source: GASOLINE STATION
Amount Spilled: -1 lbs.

BORDEN AVENUE NY Hist Spills S102147732
BORDEN AVENUE NY Spills N/A
LONG ISLAND CITY, NY

HIST SPILLS:
Spill Number: 9313234
Investigator: GENE SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 02/08/1994 09:00
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Responsible Party
Spiller Contact: Not reported
Spiller: LONG ISLAND RAIL RD
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: PRODUCT FOUND IN OBSERVATION.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 02/08/94 11:41
Resource Affected: Groundwater
Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994

Site	Database(s)	EDR ID Number EPA ID Number

BORDEN AVENUE (Continued) S102147732

Num Times Material Entry In File: 10625
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/09/94
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9313234
Region of Spill: 2
Spill Date: 02/08/94
Date Call Received: 02/08/94
Region Close Date : Not Closed
Spill Cause: Unknown
Resource Affected: Groundwater
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Material Spilled: DIESEL
Amount Spilled: -1 lbs.
PBS: Not reported

BORDEN AVE CROSSING
BORDEN AVE CROSSING
LONG ISLAND CITY, NY

NY Spills **S106868550**
N/A

SPILLS:
Spill Number: 0501190
Region of Spill: 2
Spill Date: 4/28/2005 2:38:00 AM
Date Call Received: Not reported
Region Close Date : Not Closed
Spill Cause: Equipment Failure
Resource Affected: Soil
Water Affected: Not reported
Spill Source: RAILROAD CAR
Material Spilled: HYDRAULIC OIL
Amount Spilled: 30 Gal.
PBS: Not reported

QUEENS MIDTOWN TUNNEL
10-55 51ST AVENUE
LONG ISLAND CITY, NY

NY Hist Spills **S100493549**
NY Spills **N/A**
HIST LTANKS
LTANKS

HIST SPILLS:
Spill Number: 9203696
Region of Spill: 2
Investigator: SIGONA
SWIS: 63
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 06/29/1992 14:00
Reported to Dept: 06/29/92 16:14
Spill Cause: Unknown
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Unknown
Facility Contact: Not reported
Facility Tele: Not reported
Spill Notifier: Responsible Party
PBS Number: 2-454559
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: MTA BRIDGES AND TUNNELS
Spiller Address: Not reported
DEC Remarks : Not reported

Site	Database(s)	EDR ID Number EPA ID Number

QUEENS MIDTOWN TUNNEL (Continued) S100493549

Remark: CONTAMINATED SOIL DISCOVERED DURING SITE ASSESMENT.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 11/21/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/30/92
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9203696 Region of Spill: 2
Spill Date: 06/29/92
Date Call Received: 06/29/92
Region Close Date : 07/12/04
Spill Cause: Tank Failure Resource Affected: Not reported
Water Affected: Not reported Spill Source: NON MAJOR FACILITY 1,100 GAL
Material Spilled: Diesel Amount Spilled: Not reported
PBS: 2-454559

HIST LTANKS:
Spill Number: 9201987 Region of Spill: 2
Spill Date: 06/30/1991 12:00 Reported to Dept: 01/13/92 12:00
Water Affected: Not reported Spill Source: Non Major Facility > 1,100 gallons
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Facility Contact: Not reported Facility Tele: Not reported
Investigator: SIGONA SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: MTA BRIDGES AND TUNNELS

Site	Database(s)	EDR ID Number EPA ID Number

QUEENS MIDTOWN TUNNEL (Continued) S100493549

Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Responsible Party PBS Number: 2-454559
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/21/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/20/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: WASTE OIL
Class Type: Petroleum
Chem Abstract Service Number: WASTE OIL
Last Date: 09/27/1994
Num Times Material Entry In File: 9509
DEC Remarks: Not reported
Spill Cause: 275 GAL; FILL PIPING BROKEN. WILL REPLACE.

LTANKS:
Spill Number: 9201987 Region of Spill: 2
Spill Date: 06/30/91
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Water Affected: Not reported Spill Source: NON MAJOR FACILITY 1,100 GAL
Dt Call Received: 01/13/92
Material Spilled: WASTE OIL Amount Spilled: Unknown Gal.
Region Close Dt: 06/24/04
PBS: 2-454559
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

LIRR
BORDEN AVE/LIRR PAS YARD
LIC, NY

NY Hist Spills **S102141402**
NY Spills **N/A**

HIST SPILLS:

Spill Number:	9107966	Region of Spill:	2
Investigator:	DEMEO	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	10/25/1991 14:00	Reported to Dept:	10/25/91 14:40
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	LIRR		
Spiller Address:	Not reported		

DEC Remarks : INVESTIGATOR CHANGED FROM TOMASELLO TO DEMEO, 8-7-01.
Remark: EMPLOYEES ARE DUMPING ON GROUND DRAINS INSTEAD OF WASTE OIL TANK. OIL SEPARATOR MAY NOT BE WORKING. MAIN FUEL DISPENSING LINE METER LEAKING. SPEEDY DRY APPLIED, BUT GROUND IS ALREADY SATURATED.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1	
Quantity Spilled:	60	
Units:	Gallons	
Unknown Qty Spilled:	60	
Quantity Recovered:	0	
Unknown Qty Recovered:	False	
Material:	DIESEL	
Class Type:	Petroleum	
Chem Abstract Service Number:		DIESEL
Last Date:		07/28/1994
Num Times Material Entry In File:		10625
Material Class Type:	1	
Quantity Spilled:	0	
Units:	Pounds	
Unknown Qty Spilled:	No	
Quantity Recovered:	0	
Unknown Qty Recovered:	False	
Material:	WASTE OIL	
Class Type:	Petroleum	
Chem Abstract Service Number:		WASTE OIL
Last Date:		09/27/1994
Num Times Material Entry In File:		9509

Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S102141402

Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 08/07/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/28/91
Date Region Sent Summary to Central Office: / /
Enforcement Date: / /
UST Involvement: False

SPILLS:
Spill Number: 9107966
Spill Date: 10/25/91
Date Call Received: 10/25/91
Region Close Date : 07/08/03
Spill Cause: Equipment Failure
Water Affected: Not reported
Material Spilled: DIESEL
WASTE OIL
PBS: Not reported
Region of Spill: 2
Resource Affected: On Land
Spill Source: OTHER NON COMM/INSTITUTIONAL
Amount Spilled: 60 Gal.
0 lbs.

LIRR
BORDEN AVE /LIC PASS YARD
LIC, NY

NY Hist Spills S102147574
NY Spills N/A

HIST SPILLS:
Spill Number: 9312207
Investigator: O'DOWD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 01/17/1994 08:30
Spill Cause: Human Error
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Responsible Party
Spiller Contact: Not reported
Spiller: LIRR
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: LOCAMOTIVE DERAILED, NO INJURIES IVESTIGATING CAUSE - CONTAINED W/SPEEDY DRI. WILL CLEAN UP SOON.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 01/17/94 11:18
Resource Affected: On Land
Spill Source: Railroad Car
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 30
Units: Gallons
Unknown Qty Spilled: 30
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S102147574

Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: 01/17/94
Cleanup Ceased: 01/17/94
Last Inspection: / / Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/20/94
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9312207 Region of Spill: 2
Spill Date: 01/17/94
Date Call Received: 01/17/94
Region Close Date : 01/17/94
Spill Cause: Human Error Resource Affected: On Land
Water Affected: Not reported Spill Source: RAILROAD CAR
Material Spilled: DIESEL Amount Spilled: 30 Gal.
PBS: Not reported

LIRR **NY Hist Spills S106699957**
BORDEN AVE **NY Spills N/A**
LONG ISLAND CITY, NY

HIST SPILLS:
Spill Number: 0001836 Region of Spill: 2
Investigator: SACCACIO SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spill Date: 05/12/2000 14:00 Reported to Dept: 05/12/00 15:31
Spill Cause: Human Error Resource Affected: On Land
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Facility Contact: Not reported Facility Tele: ( ) -
Spill Notifier: Responsible Party PBS Number: Not reported
Spiller Contact: PAUL MANSKE Spiller Phone: (718) 558-3097
Spiller: LI RAILROAD
Spiller Address: -
DEC Remarks : Not reported
Remark: truck backed into a pump cuasing spill to asphaul - Trade Winds Environmental enroute for clean up
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 50

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S106699957

Units: Gallons
Unknown Qty Spilled: 50
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 05/15/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/12/00
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 0001836
Region of Spill: 2
Spill Date: 05/12/00
Date Call Received: 05/12/00
Region Close Date : 09/09/03
Spill Cause: Human Error
Resource Affected: On Land
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Material Spilled: DIESEL
Amount Spilled: 50 Gal.
PBS: Not reported

LIRR
BORDEN AVE
LONG ISLAND CITY, NY

NY Hist Spills S104790582
NY Spills N/A

HIST SPILLS:
Spill Number: 0008235
Region of Spill: 2
Investigator: SACCACIO
SWIS: 63
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 10/13/2000 14:00
Reported to Dept: 10/13/00 14:09
Spill Cause: Equipment Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: Not reported
Facility Tele: ( ) -
Spill Notifier: Responsible Party
PBS Number: Not reported
Spiller Contact: CALLER
Spiller Phone: Not reported
Spiller: LONG ISLAND RR YARD
Spiller Address: BORDEN AVE
LONG ISLAND CITY, NY
DEC Remarks : Not reported
Remark: PULLED OLD TANK AND FOUND CONTAMINATION.
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S104790582

Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 10/16/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/13/00
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 0008235 Region of Spill: 2
Spill Date: 10/13/00
Date Call Received: 10/13/00
Region Close Date : 07/08/03
Spill Cause: Equipment Failure Resource Affected: On Land
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Material Spilled: #2 FUEL OIL Amount Spilled: Unknown Gal.
PBS: Not reported

LIRR
BORDEN AVE/LIRR PASS YARD
LIC, NY

NY Hist Spills S102671909
NY Spills N/A

HIST SPILLS:
Spill Number: 9203297 Region of Spill: 2
Investigator: SULLIVAN SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spill Date: 06/18/1992 11:30 Reported to Dept: 06/18/92 13:05
Spill Cause: Other Resource Affected: On Land
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Facility Contact: Not reported Facility Tele: Not reported
Spill Notifier: Responsible Party PBS Number: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: SPARK FROM 3RD RAIL OF ELECTRIC TRAIN BURNED HOLE IN DIESEL FUEL LINE AT REFUELING DOCK - SPEEDY-DRY APPLIED; EMPLOYEES TO PICK UP, DRUM

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S102671909

DISPOSE.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: 06/17/92
Cleanup Ceased: 06/17/92
Last Inspection: / /
Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 07/14/92
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/23/92
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9203297
Region of Spill: 2
Spill Date: 06/18/92
Date Call Received: 06/18/92
Region Close Date : 06/17/92
Spill Cause: Other
Resource Affected: On Land
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Material Spilled: DIESEL
Amount Spilled: 20 Gal.
PBS: Not reported

QUEENS WEST DEVELOPMENT CORP
CENTER BLVD 48TH TO 50TH AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG 1004760512
FINDS NYR000047332

Site	Database(s)	EDR ID Number EPA ID Number

QUEENS WEST DEVELOPMENT CORP (Continued) 1004760512

RCRAInfo:
Owner: QUEENS WEST DEVELOPMENT CORP
(212) 803-3637
EPA ID: NYR000047332

Contact: LAURENCE FORD PE
(212) 803-3282

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

QUEENS WEST (HUNTER'S POINT) PARCS. 8&9
CENTER BLVD. AND 47TH RD. AND 48TH AVE.
LONG ISLAND CITY, NY

VCP S104323993
N/A

NY VCP:
Facility ID : C241049

Facility ID : V00194

CON EDISON - VS 3441
FOOTHILL AVE AND 204TH STREET
LONG ISLAND CITY, NY 11101

RCRA-SQG 1008195815
NYP004115937

RCRAInfo:
Owner: CONSOLIDATED EDISON COMPANY OF NY, INC.
EPA ID: NYP004115937

Contact: ANTHONY DRUMMINGS
(212) 460-3770

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

LIC PASSENGER YD/BORDEN A
LIC PASSENGER YD/BORDEN A
LONG ISLAND CITY, NY

NY Hist Spills S102143370
NY Spills N/A

HIST SPILLS:

Spill Number:	9208335	Region of Spill:	2
Investigator:	TANG	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	10/20/1992 08:14	Reported to Dept:	10/20/92 08:50

Site | Database(s) | EDR ID Number / EPA ID Number

LIC PASSENGER YD/BORDEN A (Continued) S102143370

Spill Cause: Human Error
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Responsible Party
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: RR ENGINE STRUCK DEBRIS ON TRACKS RUPTURED FUEL TANK UNKNOWN CLEANUP AT THIS TIME/HOLE IS PLUGGED .NO MORE LEAK WAYNE KELNER WILL CALL BACK TO UPDATE CLEANUP.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Resource Affected: On Land
Spill Source: Railroad Car
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625

Spill Closed Dt: 10/20/92
Cleanup Ceased: 10/20/92
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/20/92
Date Region Sent Summary to Central Office: / /
Cleanup Meets Std:True
Enforcement Date: / /
UST Involvement: False

SPILLS:
Spill Number: 9208335
Spill Date: 10/20/92
Date Call Received: 10/20/92
Region Close Date : 10/20/92
Spill Cause: Human Error
Water Affected: Not reported
Material Spilled: DIESEL
PBS: Not reported
Region of Spill: 2
Resource Affected: On Land
Spill Source: RAILROAD CAR
Amount Spilled: -1 lbs.

Site	Database(s)	EDR ID Number EPA ID Number

LIRR
LIRR/HUNTERS PT STATION
LIC, NY

NY Hist Spills **S102141324**
NY Spills **N/A**

HIST SPILLS:

Spill Number:	9106856	Region of Spill:	2
Investigator:	TIBBE	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	09/25/1991 17:30	Reported to Dept:	09/25/91 17:35
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	LIRR		
Spiller Address:	Not reported		
DEC Remarks :	Not reported		
Remark:	Not reported		
Spill Class:	Not reported		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	-1
Units:	Gallons
Unknown Qty Spilled:	-1
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	DIESEL
Class Type:	Petroleum
Chem Abstract Service Number:	DIESEL
Last Date:	07/28/1994
Num Times Material Entry In File:	10625

Spill Closed Dt: 09/26/91
Cleanup Ceased: 09/26/91
Last Inspection: / / — Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / — Enforcement Date: / /
Invstgn Complete:/ / — UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/03/91
Date Region Sent Summary to Central Office: / /

SPILLS:

Spill Number:	9106856	Region of Spill:	2
Spill Date:	09/25/91		
Date Call Received:	09/25/91		
Region Close Date :	09/26/91		
Spill Cause:	Equipment Failure	Resource Affected:	On Land

Site	Database(s)	EDR ID Number EPA ID Number

LIRR (Continued) S102141324

Water Affected: Not reported
Material Spilled: DIESEL
PBS: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Amount Spilled: -1 Gal.

GANTRY STATE PARK
PIER 2 GANTRY STATE PARK
LONG ISLAND CITY, NY

NY Spills **S106718797**
N/A

SPILLS:
Spill Number: 0130045
Spill Date: 01/22/02
Date Call Received: 01/22/02
Region Close Date : 03/22/02
Spill Cause: Unknown
Water Affected: EAST RIVER
Material Spilled: UNKNOWN PETROLEUM
PBS: Not reported
Region of Spill: 2
Resource Affected: Not reported
Spill Source: UNKNOWN
Amount Spilled: Not reported

23-64 27TH STREET
23-64 27TH STREET
LONG ISLAND CITY, NY

NY Hist Spills **S102149679**
NY Spills **N/A**

HIST SPILLS:
Spill Number: 9415587
Investigator: MULQUEEN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spill Date: 03/01/1995 14:00
Spill Cause: Equipment Failure
Water Affected: Not reported
Facility Contact: Not reported
Spill Notifier: Affected Persons
Spiller Contact: Not reported
Spiller: PETRO
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: LEAK IN TANK - TANK IS BEING REPAIRED BY PETRO - A HOLD IN DELIVERIES IS PLACED UNTIL LEAK IS REPAIRED
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Region of Spill: 2
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Reported to Dept: 03/01/95 14:09
Resource Affected: On Land
Spill Source: Private Dwelling
Facility Tele: Not reported
PBS Number: Not reported
Spiller Phone: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 2
Units: Gallons
Unknown Qty Spilled: 2
Quantity Recovered: 2
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum

Site	Database(s)	EDR ID Number EPA ID Number

23-64 27TH STREET (Continued) S102149679

Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: 12/31/97
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 01/05/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/17/95
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9415587 Region of Spill: 2
Spill Date: 03/01/95
Date Call Received: 03/01/95
Region Close Date : 12/31/97
Spill Cause: Equipment Failure Resource Affected: On Land
Water Affected: Not reported Spill Source: PRIVATE DWELLING
Material Spilled: #2 FUEL OIL Amount Spilled: 2 Gal.
PBS: Not reported

5-35 54TH STREET HIST LTANKS S102672486
5-35 54TH STREET LTANKS N/A
LONG ISLAND CITY, NY

HIST LTANKS:
Spill Number: 9401091 Region of Spill: 2
Spill Date: 04/22/1994 11:50 Reported to Dept: 04/22/94 11:55
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: Not reported Facility Tele: Not reported
Investigator: MARTINKAT SWIS: 63
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/22/94
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: 04/22/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /

Site	Database(s)	EDR ID Number EPA ID Number

5-35 54TH STREET (Continued) S102672486

Date Spill Entered In Computer Data File: 04/27/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 2
Units: Gallons
Unknown Qty Spilled: 2
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: WILL USE DRYZALL TO CLEAN UP.

LTANKS:

Spill Number:	9401091	Region of Spill:	2
Spill Date:	04/22/94		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Dt Call Received:	04/22/94		
Material Spilled:	DIESEL	Amount Spilled:	2 Gal.
Region Close Dt:	04/22/94		
PBS:	Not reported		
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

36-28 14TH STREET **NY Hist Spills S102146972**
36-28 14TH STREET **NY Spills N/A**
LONG ISLAND CITY, NY

HIST SPILLS:

Spill Number:	9306917	Region of Spill:	2
Investigator:	ENGLEHARDT	SWIS:	63
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	07/09/1993 12:00	Reported to Dept:	07/22/93 12:00
Spill Cause:	Unknown	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Spill Notifier:	Health Department	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	AAA POLLUTION SPECIALIST		
Spiller Address:	Not reported		
DEC Remarks :	10/10/95: This is additional information about material spilled from the translation of the old spill file: PCBS. 10/7/97: See spill 9305907		

Site	Database(s)	EDR ID Number EPA ID Number

36-28 14TH STREET (Continued) S102146972

Remark: ANONYMOUS LETTER TO NYC DEOH ALLEGES DELIBERATE SPILLAGE BY AAA CON-ED PRECEDING ABANDONATED OF YARD BY AAA.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Oty Recovered: False
Material: WASTE OIL
Class Type: Petroleum
Chem Abstract Service Number: WASTE OIL
Last Date: 09/27/1994
Num Times Material Entry In File: 9509
Spill Closed Dt: / /
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: False
Spill Record Last Update: 10/07/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/08/93
Date Region Sent Summary to Central Office: / /

SPILLS:
Spill Number: 9306917 Region of Spill: 2
Spill Date: 07/09/93
Date Call Received: 07/22/93
Region Close Date : Not Closed
Spill Cause: Unknown Resource Affected: Groundwater
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Material Spilled: WASTE OIL Amount Spilled: 0 Gal.
PBS: Not reported

EVANS CONTAINER CORP. **SWF/LF** **S105841773**
35 STREET;NEWTON CREEK **N/A**
LONG ISLAND CITY, NY 11101

LF:
Secondary Addr : Not reported Region Code : Not reported
Phone Number : Not reported Owner Name : Not reported
Owner Type : Not reported
Owner Address : Not reported
Not reported
Not reported
Owner Email : Not reported Owner Phone : Not reported
Contact Name : PETER EVANGELISTA
Contact Address : Not reported

Site	Database(s)	EDR ID Number EPA ID Number

EVANS CONTAINER CORP. (Continued) S105841773

Not reported
Not reported
Contact Email : Not reported
Contact Phone : Not reported
Activity Desc : Transfer station - regulated
Activity Number : 41T37
Active : No
Accuracy Code : Not reported
North Coordinate : Not reported
East Coordinate : Not reported
Regulatory Status Not reported
Waste Type : Not reported
Waste: Not reported
Authorization # : 2-6304-00158
Authorization Date : Not reported
Expiration Date : Not reported
Flag : INACTIVE

NYSDOT BRIDGE BIN 107701A **RCRA-LQG** **1007371337**
RAMP FROM E 139TH ST OVERPASS **NYR000123968**
NEW YORK, NY 11101

RCRAInfo:
Owner: NYSDOT
EPA ID: NYR000123968
Contact: MAJID BUKHARI
(718) 482-4792
Classification: Large Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

V1876 **RCRA-SQG** **1007207184**
E/S 35TH STREET 285' S/O 34TH **NYP004039509**
NEW YORK CITY, NY 11101

RCRAInfo:
Contact: ANTHONY DRUMMINGS
(212) 460-3770
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

---

VS5039 **RCRA-SQG** **1007206911**
36TH STREET W 40' N 30TH AVENU **NYP004033353**
NEW YORK CITY, NY 11101

Site	Database(s)	EDR ID Number EPA ID Number
VS5039 (Continued)		1007206911

RCRAInfo:
Contact: ANTHONY DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

The NY MANIFEST database may contain additional details for this site.
Please contact your EDR Account Executive for more information

WHITESTONE ASSOCIATES, INC.

APPENDIX 3
FOIL Requests, Responses, Records of Communication & City Directory Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

• **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Existing Milton Paper Company Facility, 47-50 30th Street, Long Island City, Queens County, NY, Block 115, Lot 187

Owner: Milton Paper Company. Any files pertaining to environmental investigations, underground storage tanks (USTs) corrective actions, contaminant releases, hazardous materials storage, incidents, fires, etc.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 0.00

Name (Print or type) Victoria Ryback Telephone No. 908-668-2727

Attention of: Whitestone Associates, Inc.

Mailing Address 786 Mountain Boulevard, Suite 200, Watchung, NJ 07069

Signature Victoria Ryback Date 7/15/05

RECORDS CUSTODIAN

• **TO THE APPLICANT:**

-Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

-Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

-Records Denied

I hereby certify that access to the records–or part of the records–circled above has been denied to the applicant for the reason(s) checked below:

☐ Specifically exempt by other statute

☐ Unwarranted invasion of personal privacy

☐ Would impair present or imminent contract awards or collective bargaining negotiations

☐ Are examination questions or answers

☐ Are inter-agency or intra-agency materials that are not:
- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the federal government

☐ Are trade secrets

☐ Would endanger the life of any person

☐ Are compiled for law enforcement purposes and which, if disclosed would:
- interfere with law enforcement investigations or judicial proceedings
- deprive a person of the right to a fair trial or or impartial adjudication
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Would jeopardize an agency's capacity to guarantee the security of its information technology assets, such assets encompassing both electronic information systems and infrastructures

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate:

_____

_____

_____

Records Custodian Signature _____ Title _____ Date _____

New York State Department of Environmental Conservation
Division of Public Affairs and Education, Region 2
47-40 21ST Street, Long Island City, NY 11101
Phone: (718) 482-4507 • **FAX:** (718) 482-6729
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

Date: July 25, 2005

FOIL # R2-05-1185

Victoria Ryback/Whitestone Assoc.
908-668-7777
Fax 908-754-5936

RE: 47-50 30th St in LIC Queens
Block 115, Lot 187

Dear Ms. Ryback:

We are in receipt of your Foil request for the above referenced site. The Foil identification number assigned is R2-05-1185.

If for any reason you need to contact us again please use that number. When the programs are done gathering the files/information this office will contact you.

Please expect our response within 20 days from the date of this letter.

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

786 MOUNTAIN BOULEVARD
SUITE 200
WATCHUNG, NJ 07069
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

July 15, 2005

NEW YORK CITY DEPARTMENT OF HEALTH
125 Worth Street
Room 604, Box 31
New York, New York 10013
(212) 788-5010 (tel.)

Attention: Renee Bryant
Records Access Officer

Sent by regular mail

Regarding: **REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES**
OWNER: MILTON PAPER COMPANY
EXISTING MILTON PAPER COMPANY FACILITY
47-50 30TH STREET
BLOCK 115, LOT 187
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK
WHITESTONE PROJECT NO.: WJ05-7931

Dear Ms. Bryant:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced location. Pursuant to the Freedom of Information Act, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced property.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

I:\WhitestoneOffice\2005\057931\HEALTH.wpd

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

786 MOUNTAIN BOULEVARD
SUITE 200
WATCHUNG, NJ 07069
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

July 15, 2005

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Corona, New York 11368
(718) 595-6530 (tel.)

Attention: Marie A. Dooley
Assistant Counsel

Sent by regular mail

Regarding: REQUEST FOR INFORMATION AND ACCESS TO PUBLIC FILES
OWNER: MILTON PAPER COMPANY
EXISTING MILTON PAPER COMPANY FACILITY
47-50 30TH STREET
BLOCK 115, LOT 187
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK
WHITESTONE PROJECT NO.: WJ05-7931

Dear Ms. Dooley:

Whitestone Associates, Inc. is conducting a Phase I Environmental Site Assessment at the above-referenced location. Pursuant to the Freedom of Information Act, Whitestone requests the opportunity to access, review, and copy any available files addressing or pertinent to environmental investigations, underground storage tanks (USTs), corrective actions, contaminant releases, incidents, fires, hazardous materials storage, citations, notices of violation, or other areas of concern at the above referenced property.

I appreciate your prompt attention to these matters, and would like to establish a date to access and review any site files as soon as possible. Please contact me at (908) 668-7777 with any questions regarding this request. Please make reference to Whitestone's project number in your reply.

Sincerely,

WHITESTONE ASSOCIATES, INC.

Victoria Ryback

L:\WhitestoneOffice\2005\057931\NYCDEP.wpd

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd
Commissioner

Mark D. Hoffer
General Counsel

Bureau of Legal Affairs
Tel. (718) 595-6555
Fax (718) 595-6543
mhoffer@dep.nyc.gov

www.nyc.gov/dep

RECEIVED
AUG 05 2005
By

8/2/2005

Whitestone Associates
786 Mountain Boulevard
Watchung , NJ 07069-

RE: Environmental Records 47-50 30th Street

Dear Victoria Ryback:

We hereby acknowledge receipt of your **Freedom of Information Law** request dated 7/15/2005 .

Your request is currently being reviewed by our agency. Due to increased volume in FOIL requests and a reduction in staff, it is anticipated that you will receive a response to your request in approximately 30 days.

If you have any questions, please e-mail jprero@dep.nyc.gov and indicate the Log Number in the subject line, or call 718-595-6555.

Very truly yours,

Judah Prero

Judah Prero
Assiatant Counsel

IXD

Log # 16028

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep
DIAL 311



EDR™ Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Milton Paper Company
47-50 30th Street
Long Island City, NY 11101

July 14, 2005

Inquiry Number: 1465344-4

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2, page 12.)

EDR's City Directory Abstract includes a search and abstract of available city directory data.

City Directories
City directories have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-00 specifies that a *"review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice." (ASTM E 1527-00, Section 7.3.2.1, page 12.)*

NAICS (North American Industry Classification System) Codes
NAICS is a unique, all-new system for classifying business establishments. Adopted in 1997 to replace the prior Standard Industry Classification (SIC) system, it is the system used by the statistical agencies of the United States. It is the first economic classification system to be constructed based on a single economic concept. To learn more about the background, the development and difference between NAICS and SIC, visit the following Census website: http://www.census.gov/epcd/www/naicsdev.htm.

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EST)
with questions or comments about your report.
Thank you for your business!

Disclaimer - Copyright and Trademark Notice

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SUMMARY

- *City Directories:*

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2000. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 100 Feet of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources:
City Directories Jul 14, 2005

Target Property:
47-50 30th Street
Long Island City, NY 11101

Year	*Uses*	*NAICS*	*Source*
1922	Address not Listed in Research Source	N/A	The Metropolitan Directory Co.
1934	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1939	Address not Listed in Research Source	N/A	New York Telephone Company
1945	PABST SALES COMPANY (4750)		New York Telephone
1950	LAGERLOEF BIRGER B (47-50) STANDARD WINE & LIQUOR CO INC (47-50)		New York Telephone
1962	LAGERLOEF BIRGER B (4750) STANDARD WINE & LIQUOR CO INC (4750)		New York Telephone Directory
1967	STANDARD WINE & LIQUOR CO INC (4750)		New York Telephone
1970	LAGERLOEF BIRGER B (4750) STANDARD WINE & LIQUOR CO INC (4750)		New York Telephone
1976	SALES & SVCE DEPT (4750) HUNT PHILIP A CHEMCL CORP (4750) SALES & SVCE DEPT (4750)		New York Telephone
1983	HUNT PHILIP A CHEMCL CORP (4750) P A HUNT CHEMICAL CORP (4750) SALES & SVCE DEPT (4750)		New York Telephone
1991	MILTON PAPER CO INC (4750)		NYNEX Information Resource Company
1996	Address not Listed in Research Source	N/A	NYNEX
2000	48TH AV INTS FROM (4750) MILTON PPR CO INC (4750)		Cole Information Services

Adjoining Properties

SURROUNDING
Multiple Addresses
Long Island City, NY 11101

Year	Uses	NAICS	Source
1922	Address not Listed in Research Source	N/A	The Metropolitan Directory Co.
1934	** 30TH ST Addresses ** KESSEL & MULLER INC NY PLMDG SUPPLIES (4746)		R. L. Polk & Co.
1939	Address not Listed in Research Source	N/A	New York Telephone Company
1945	** 30TH ST Addresses ** BISCEGLIA BROS WINES CORP (4746) BISCEGLIA BROS WINE (4746) GRAYSTONE WINERIES (4746)		New York Telephone
1950	** 30TH ST Addresses ** BISCEGLIA BROS WINE (47-46) BISCEGLIA BROS WINES CORP (47-46) PARADISE WINE CO (47-46)		New York Telephone
1962	** 30TH ST Addresses ** OAK PAPR CORP (4740) KADET PAPR CORP (4746)		New York Telephone Directory
1967	Address not Listed in Research Source	N/A	New York Telephone
1970	Address not Listed in Research Source	N/A	New York Telephone
1976	Address not Listed in Research Source	N/A	New York Telephone
1983	Address not Listed in Research Source	N/A	New York Telephone
1991	** 30TH ST Addresses ** JAMES STEVEN PAPER CORP (4746)		NYNEX Information Resource Company
1996	Address not Listed in Research Source	N/A	NYNEX
2000	Address not Listed in Research Source	N/A	Cole Information Services

WHITESTONE
ASSOCIATES, INC.

Additional pertinent FOIL response information will be supplied in a supplement to this report when, and if, it becomes available.

WHITESTONE ASSOCIATES, INC.

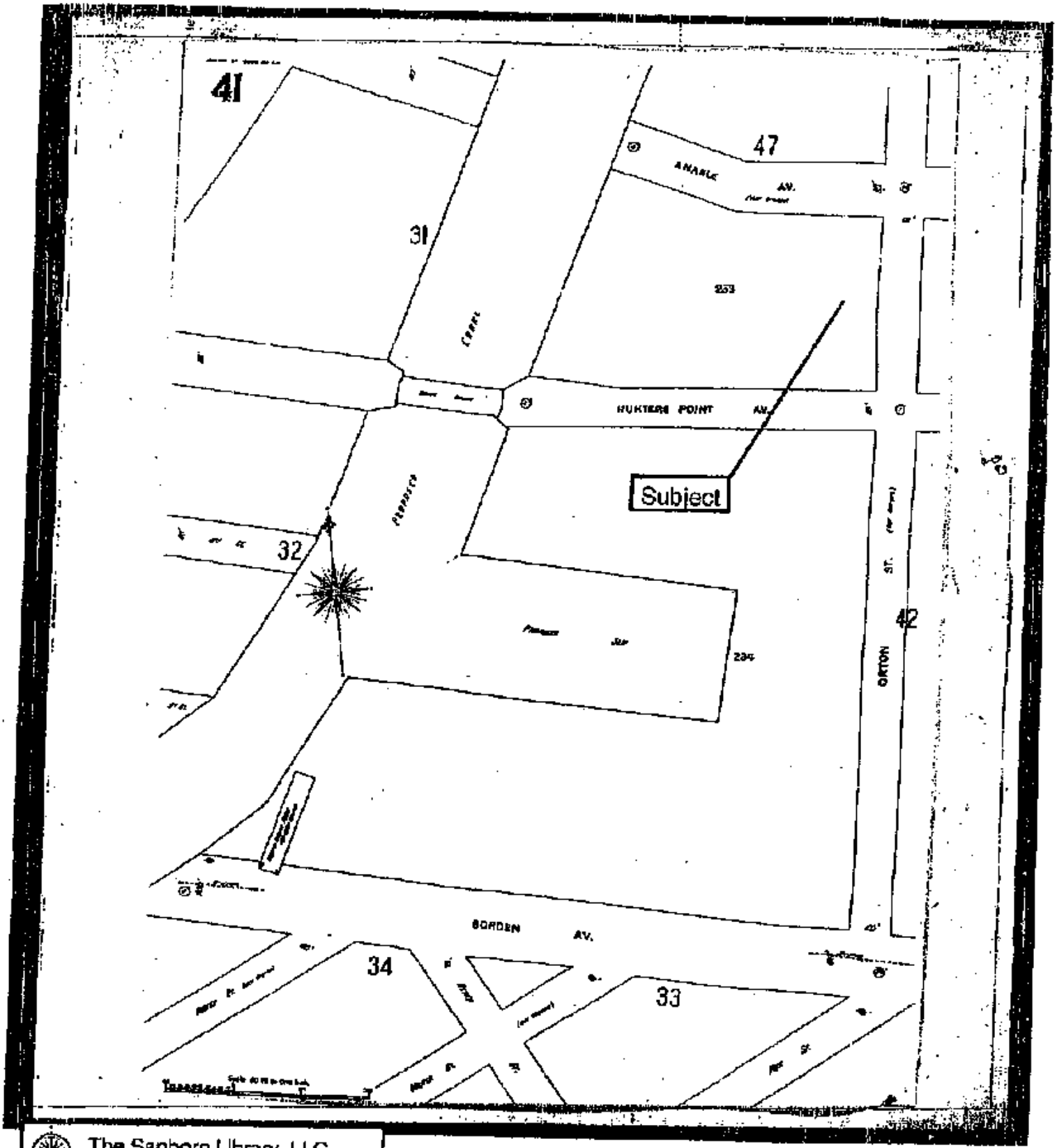
APPENDIX 4
Aerial Photographs

WHITESTONE
ASSOCIATES, INC.

Aerial photographs were not reviewed by Whitestone due to the extensive coverage of Sanborn Maps and the poor resolution of urban properties on typical aerial photographs.

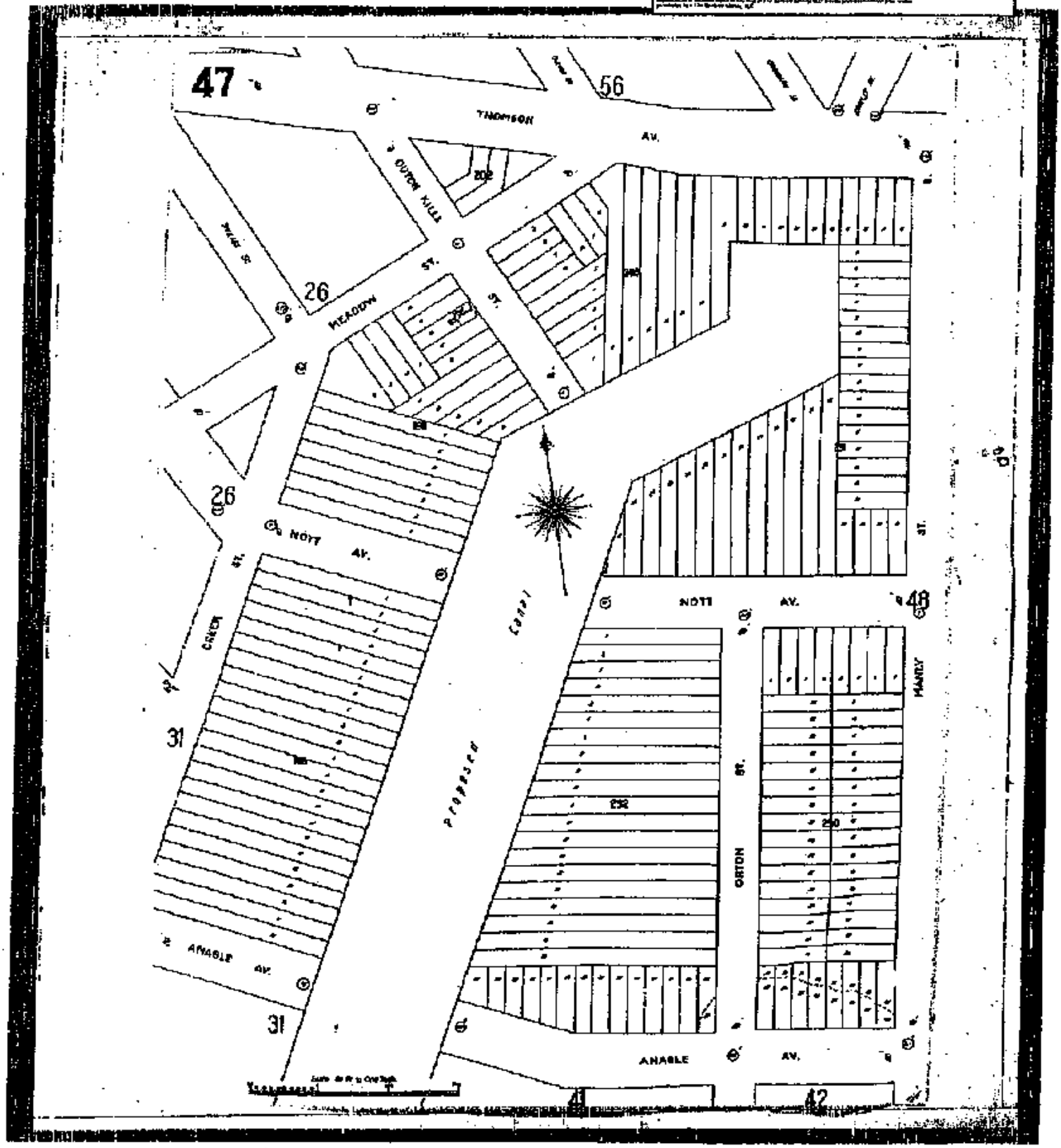
WHITESTONE ASSOCIATES, INC.

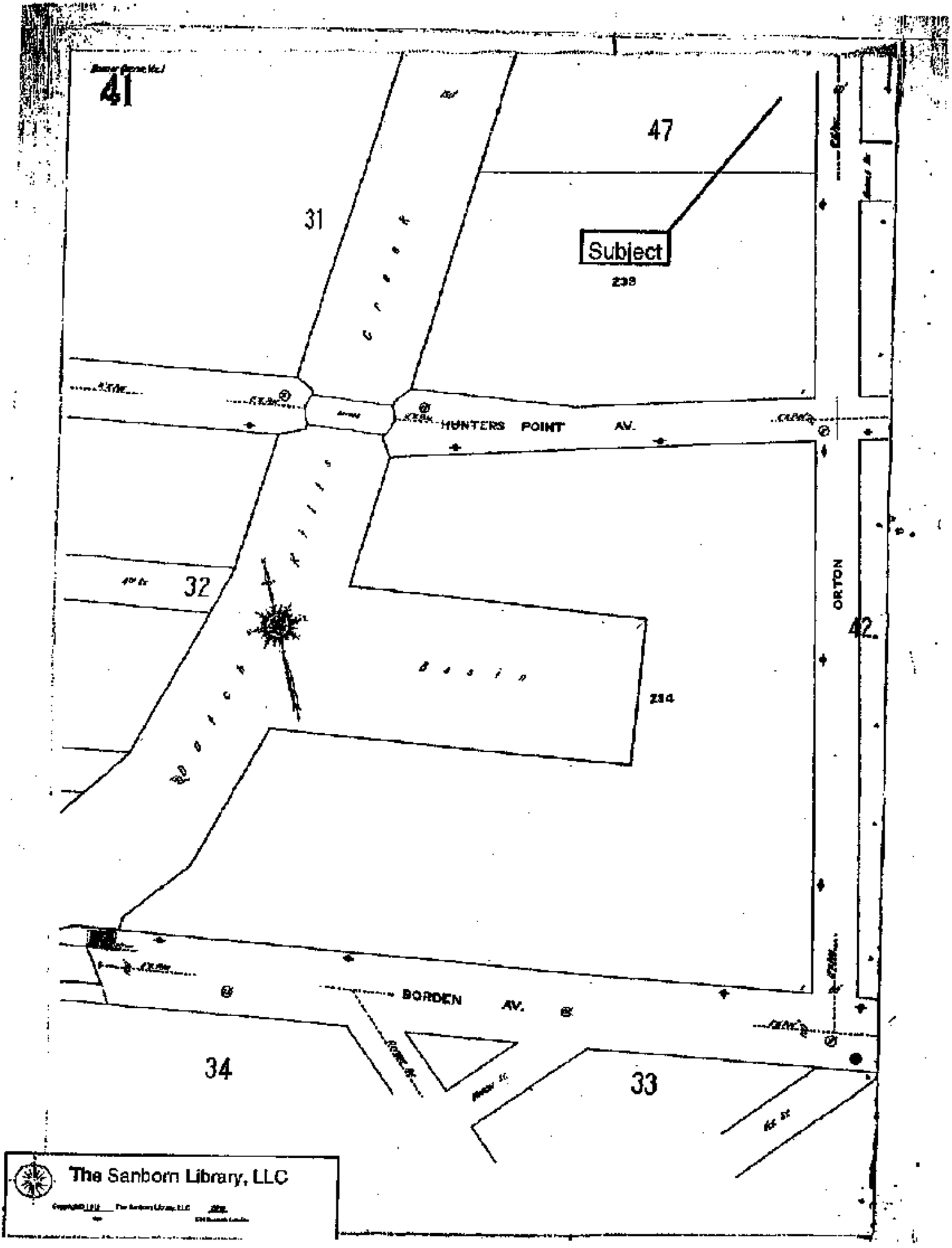
APPENDIX 5
Fire Insurance Map Documentation



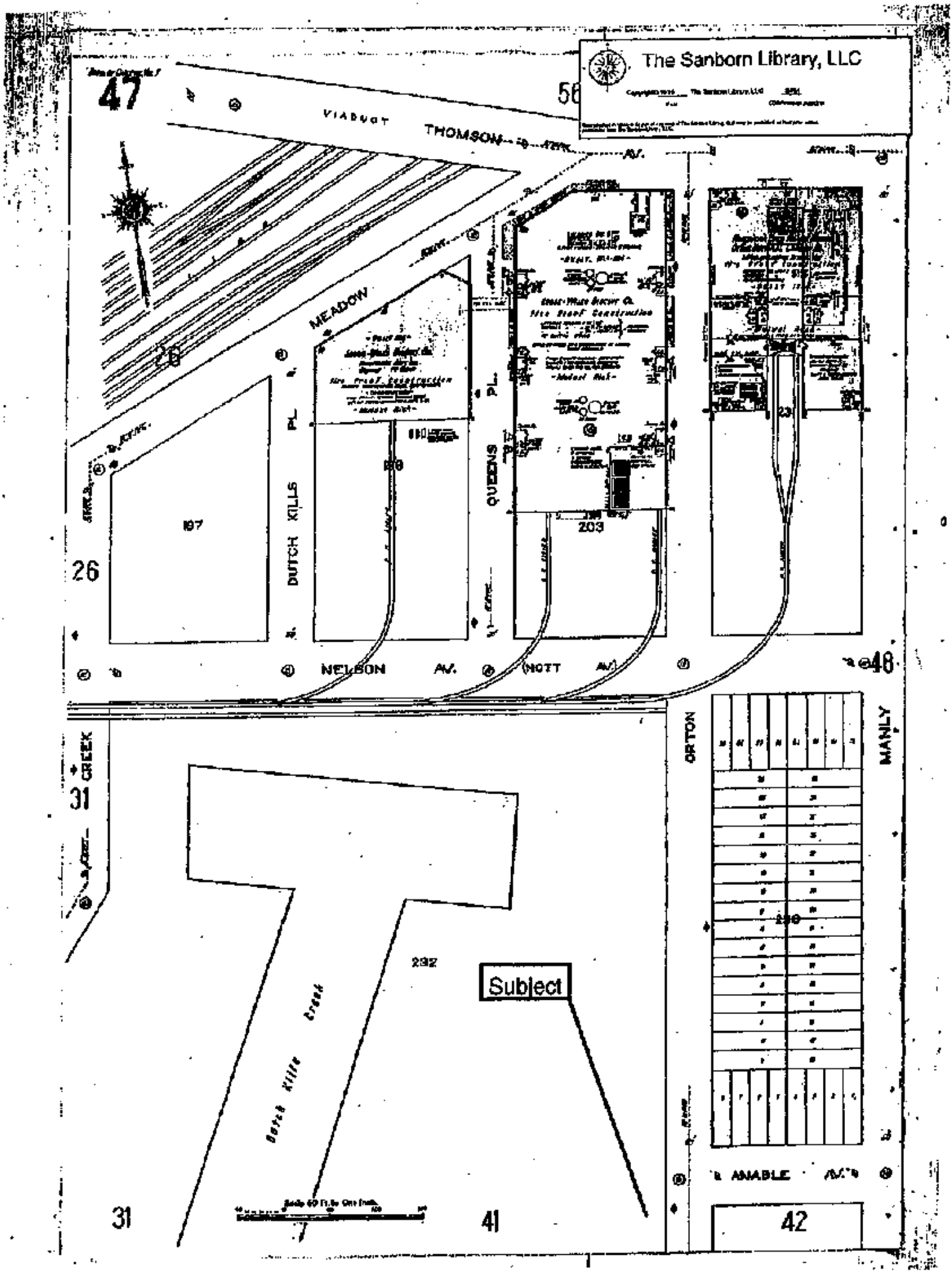
The Sanborn Library, LLC

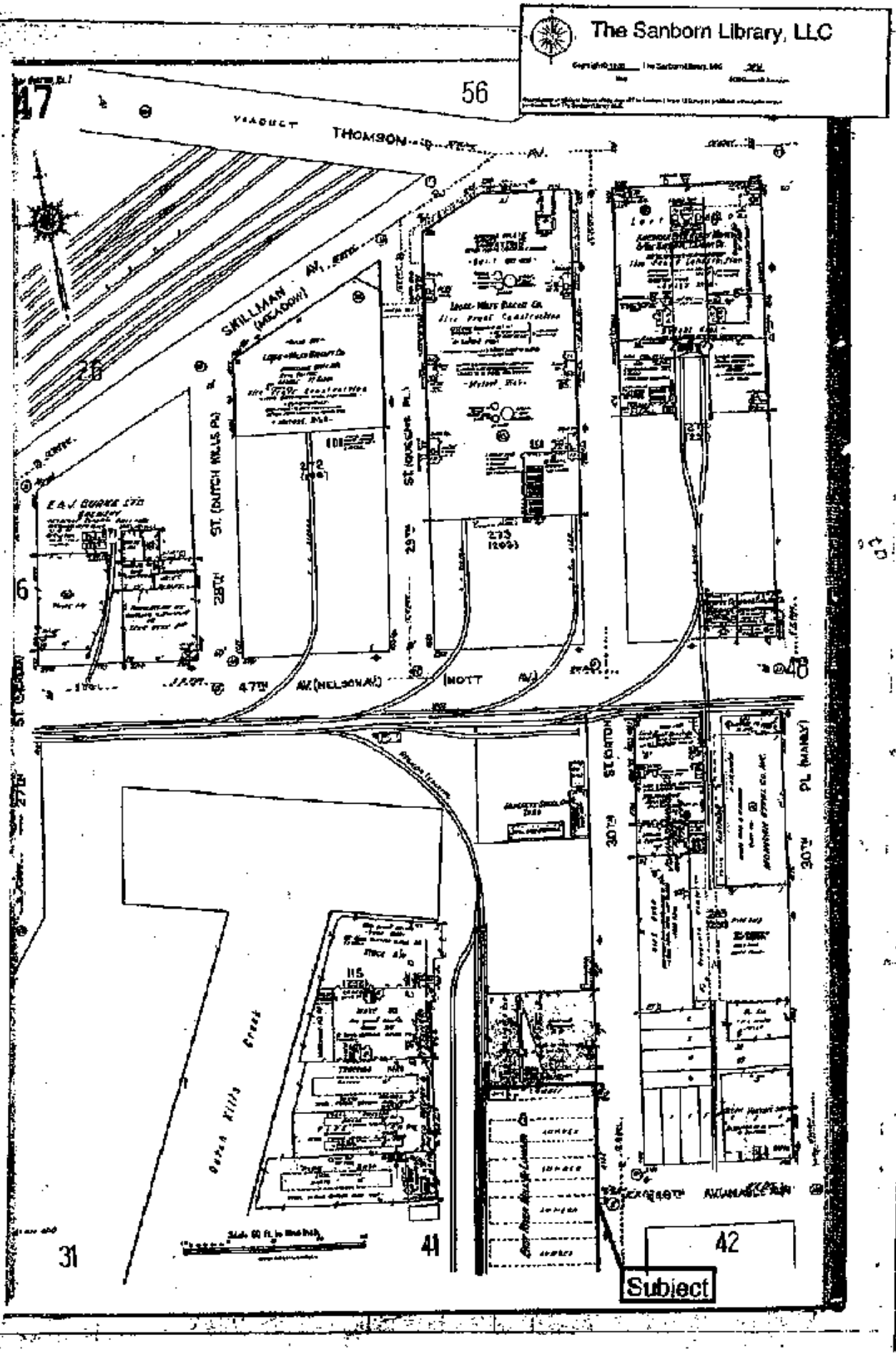
The Sanborn Library, LLC

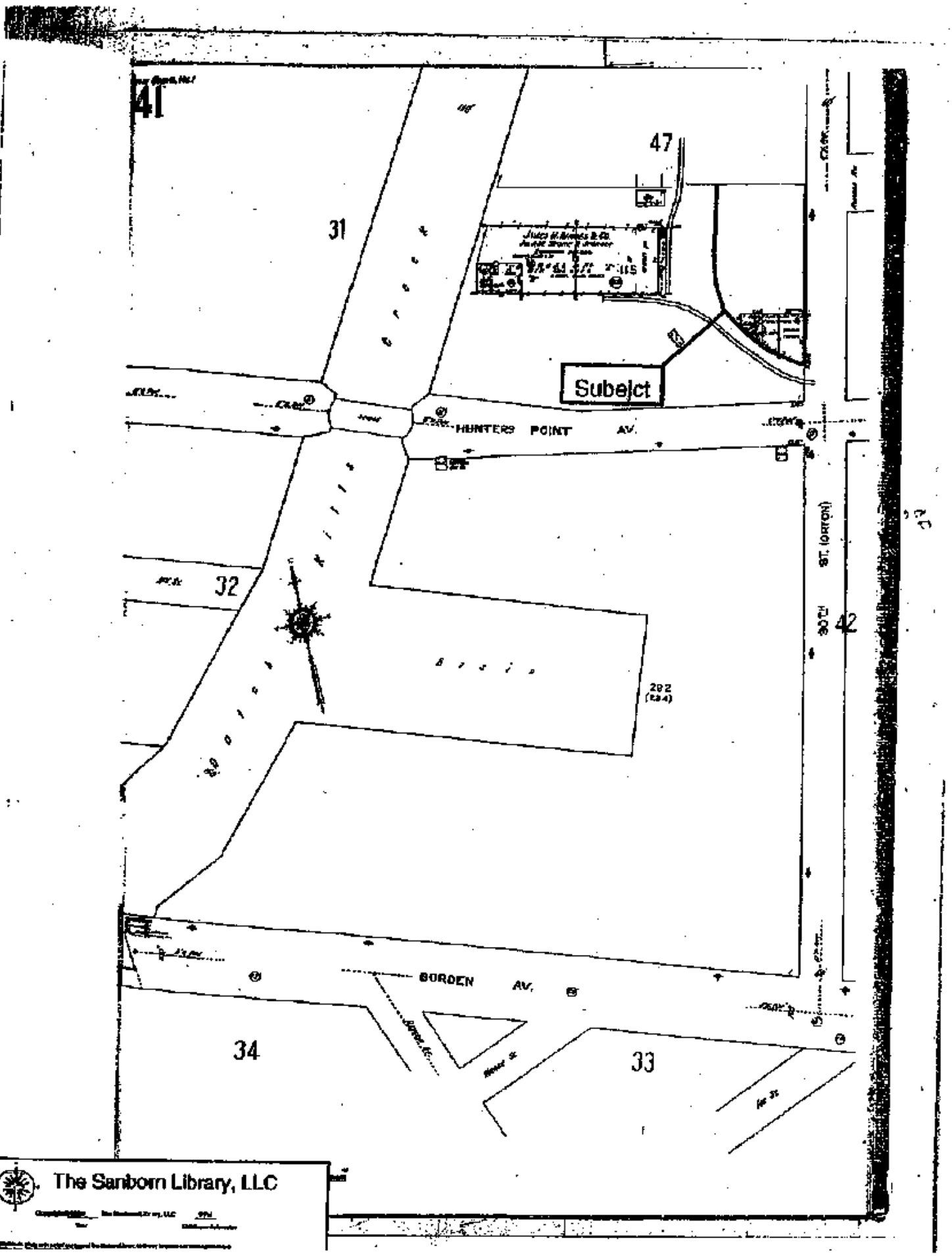




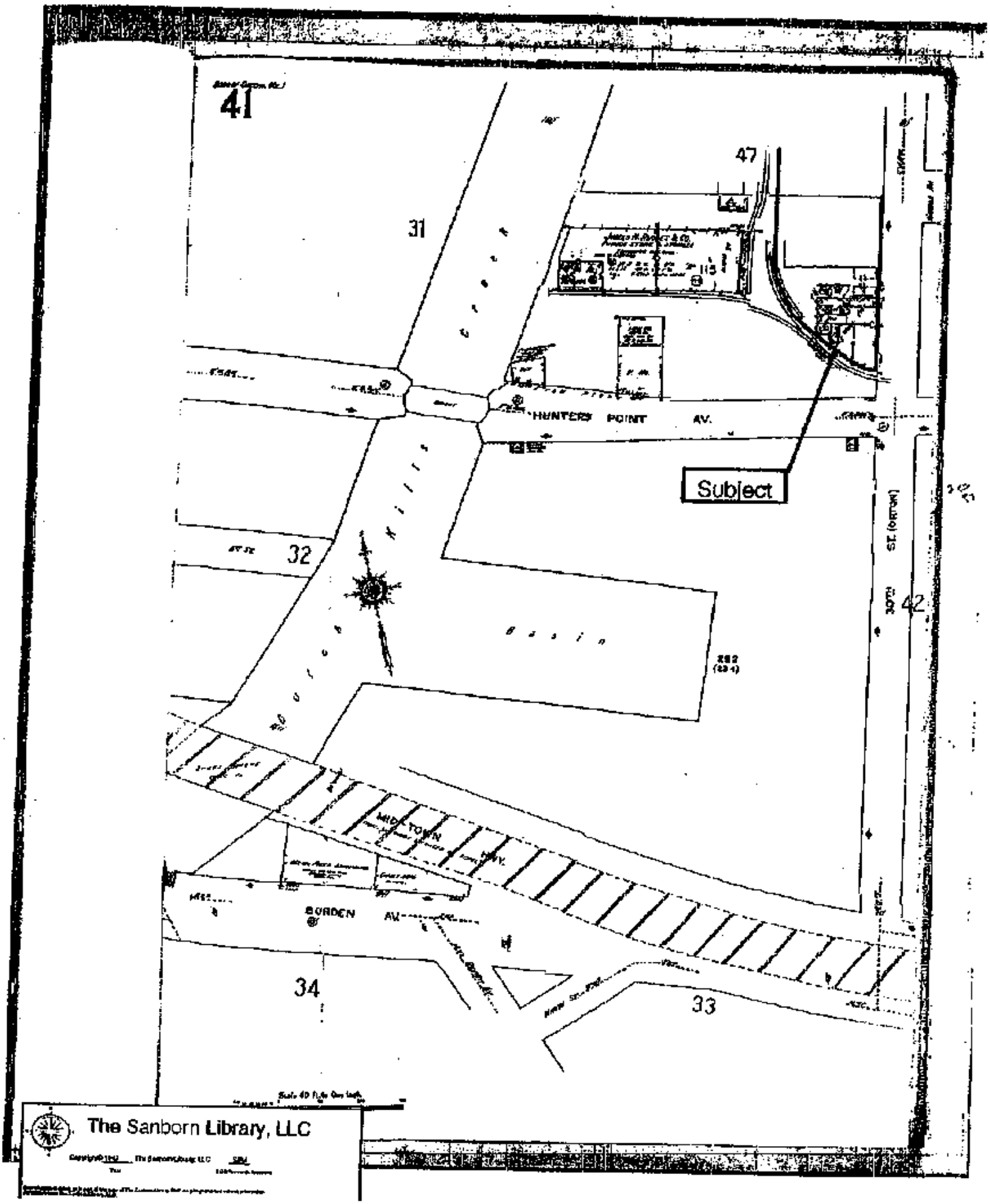
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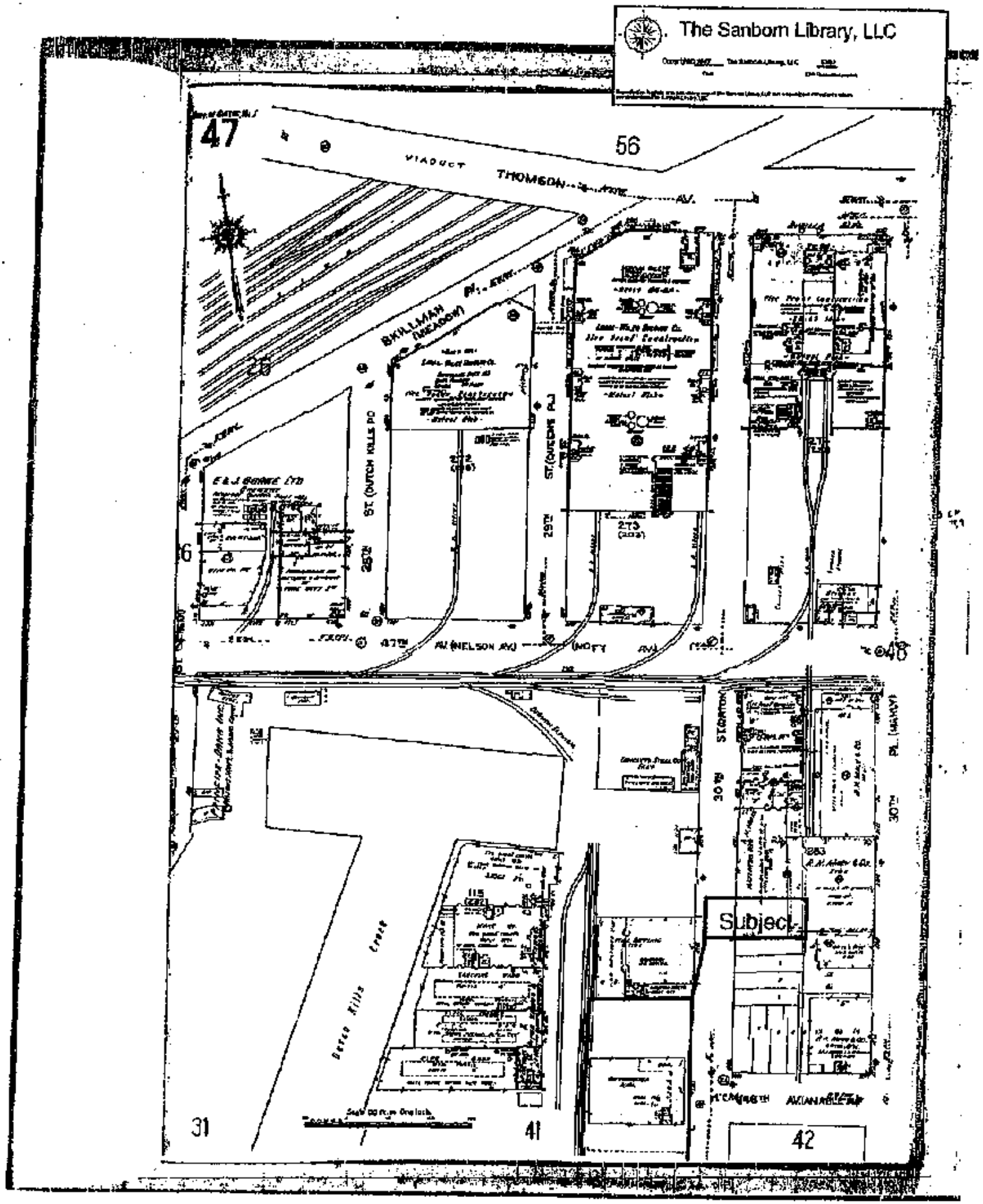

The Sanborn Library, LLC
47
VIADUCT
THOMSON
AV.
MEADOW
DUTCH KILLS
PL.
QUEENS
197
203
26
NELSON
AV.
NOTT
AV.
48
CREEK
31
ORTON
MANLY
232
Subject
AMABLE
AV.
42
31
41

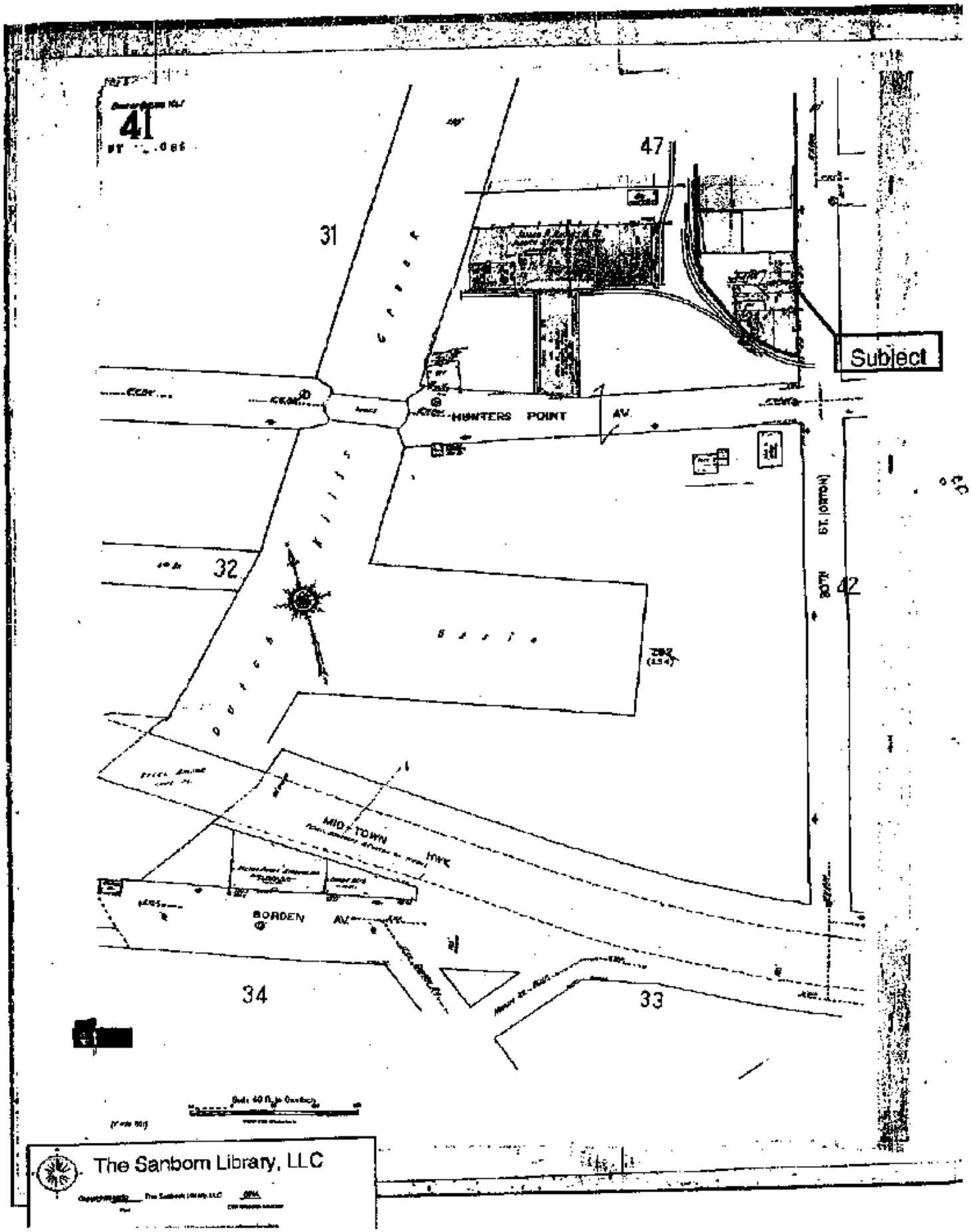

The Sanborn Library, LLC
47
56
VIADUCT
THOMSON AV.
SKILLMAN AV. (MEADOW)
ST. (DUTCH HILLS PL)
ST. (VAN DAM PL)
28TH
29TH
E & J BURKE LTD
BAKERY
275
(204)
47TH AV. (NELSON AV.)
MOTT AV.
48
6
27TH
30TH
ST. (DUTCH)
PL (MANLY)
115
DUTCH HILLS CREEK
31
41
42
Subject

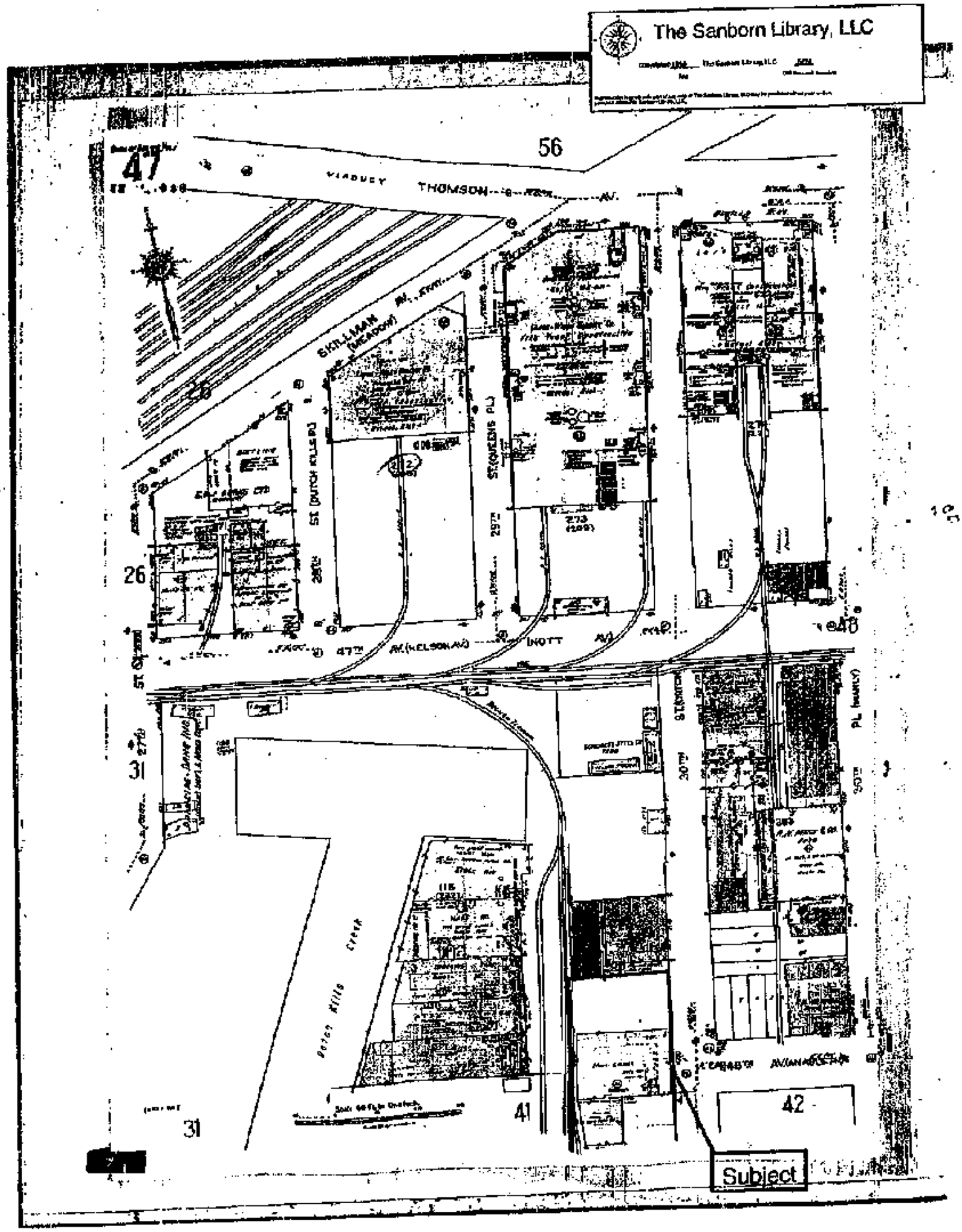


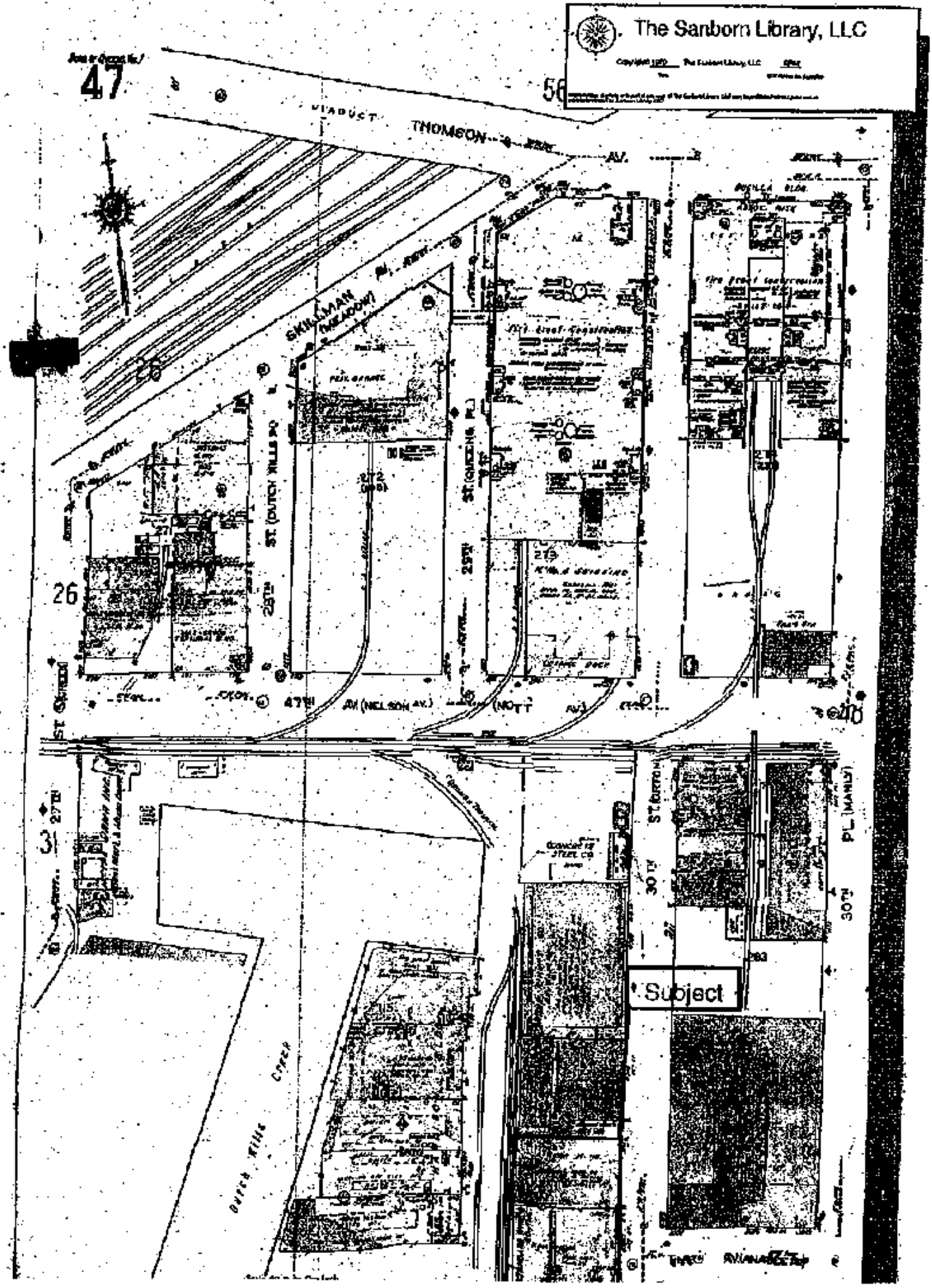
The Sanborn Library, LLC

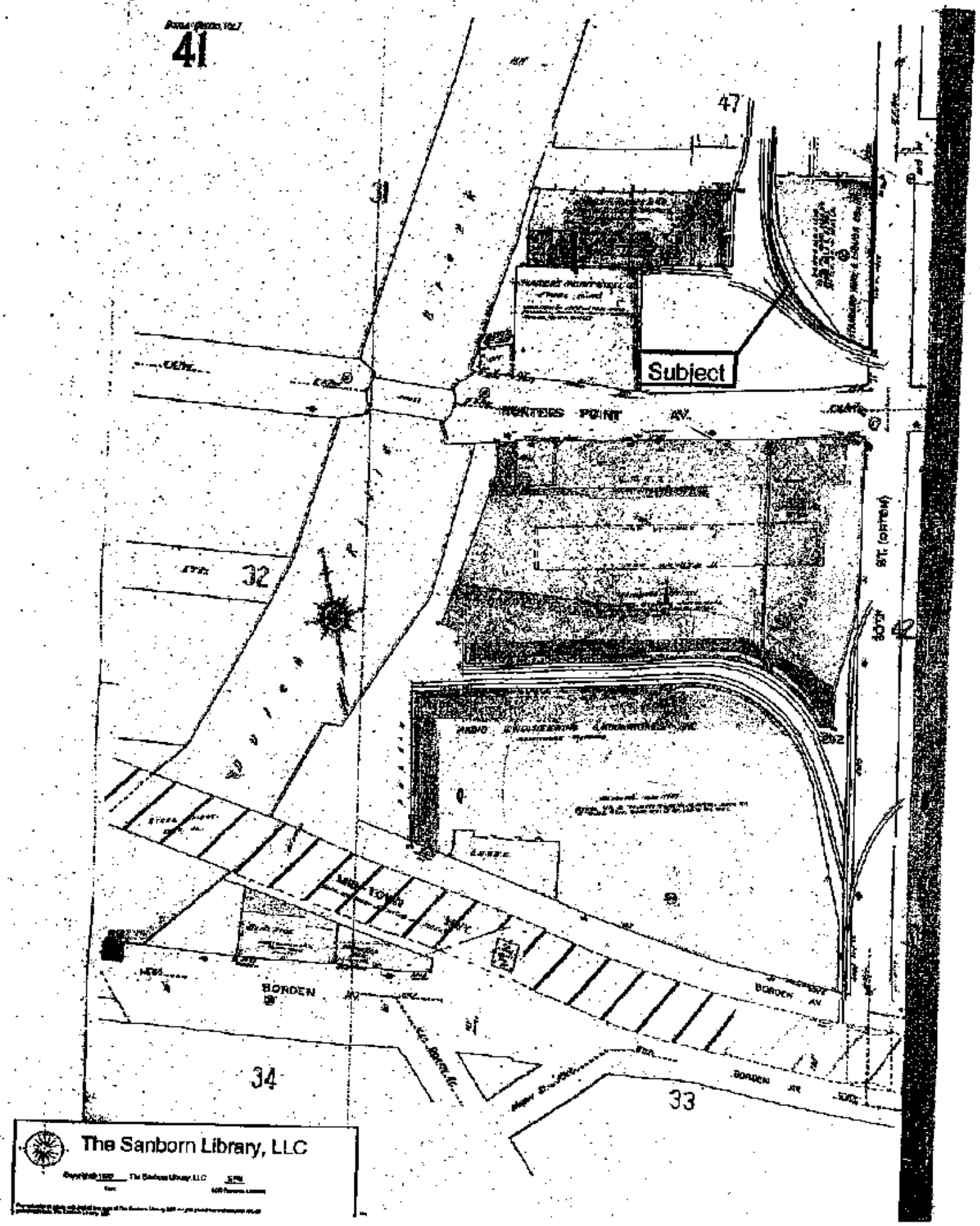

41
47
31
HUNTERS POINT AV.
Subject
32
42
30TH ST. (LONG)
MIDTOWN
BORDEN AV.
34
33
The Sanborn Library, LLC

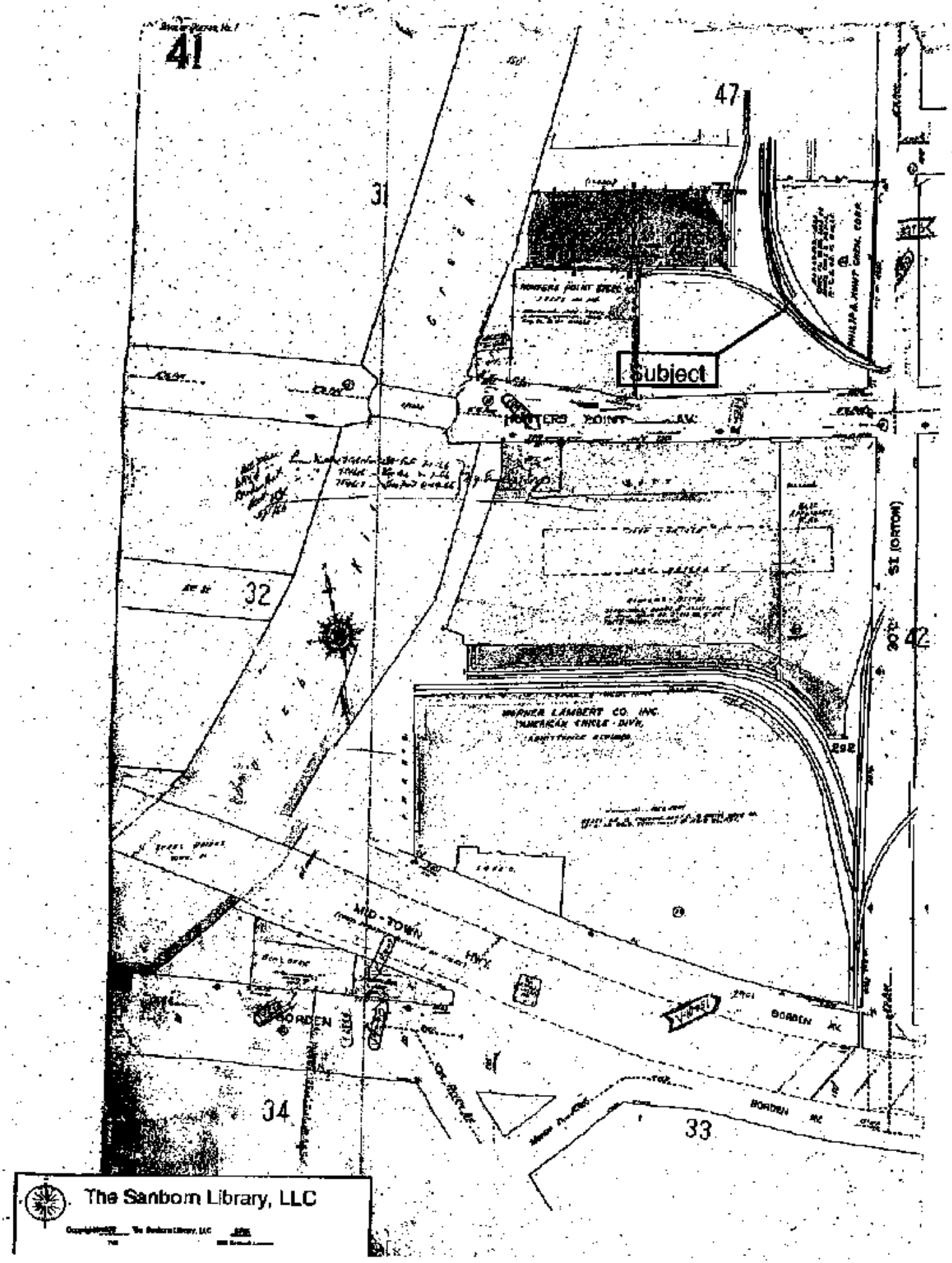

The Sanborn Library, LLC
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56
VIADUCT
THOMSON
AV.
BKILLMAN
(MEADOW)
PL.
ST. (DUTCH KILLS RD
ST. (QUEENS RD
29TH
273
(203)
46
48
AV (NELSON AV)
(MOFFT
AV)
30TH
ST. (MAHON)
PL. (MAHON)
283
Subject
Bowery Bay Creek
31
41
42


41
47
31
Subject
HUNTERS POINT AV.
32
42
ST. JOHN
MID-TOWN
BORDEN AV.
34
33
The Sanborn Library, LLC

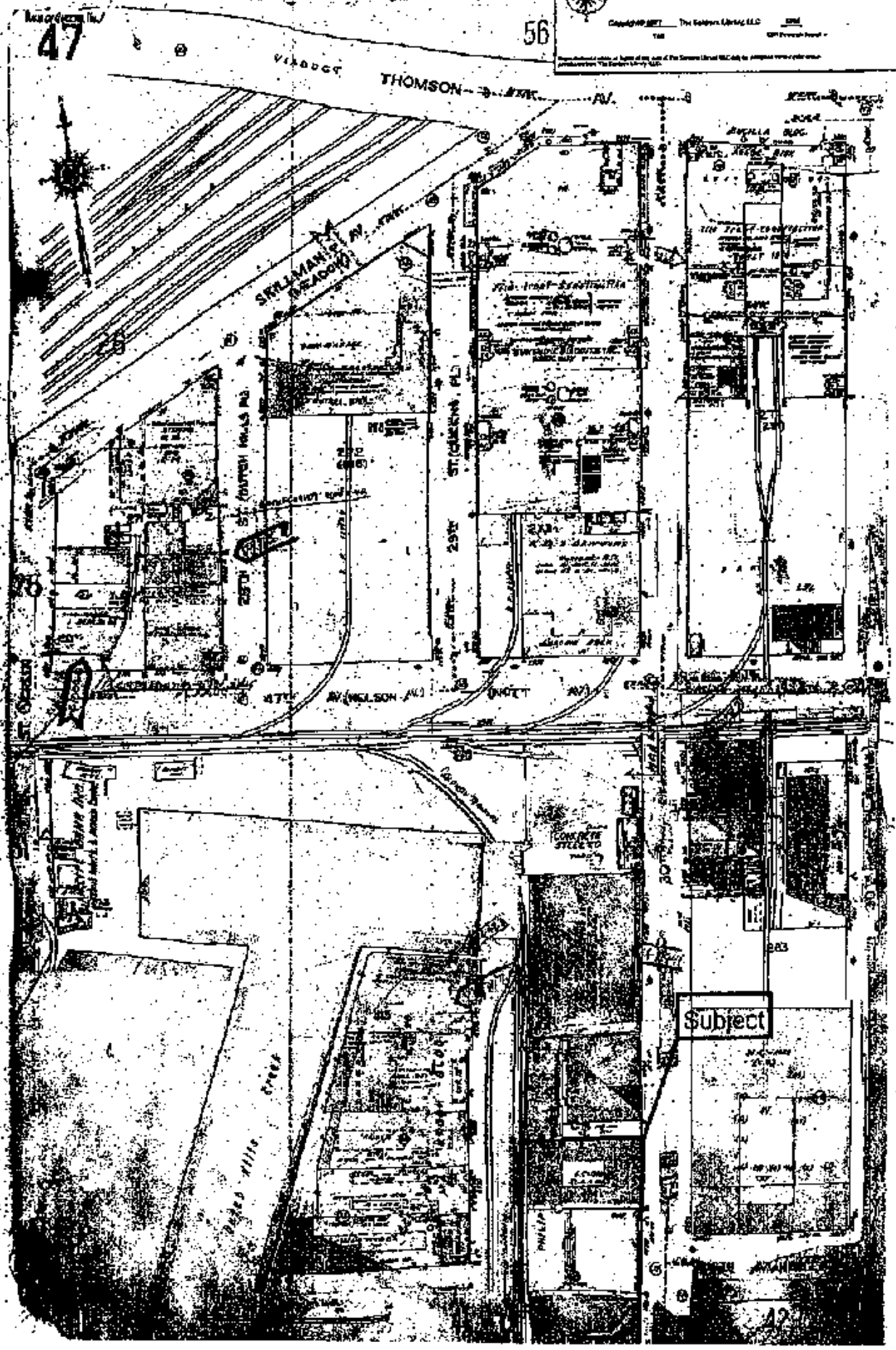

The Sanborn Library, LLC
47
56
VIADUCT
THOMSON
AV.
SKILLMAN (MEADOW)
ST. DUTCH KILLS PL.
STEVENS PL.
297
273
26
47TH AV.(KELSON AV.)
INOTT
AV.
ST. QUEEN
31
27TH
30TH
PL (HARTY)
DUTCH KILLS CREEK
41
42
31
Subject

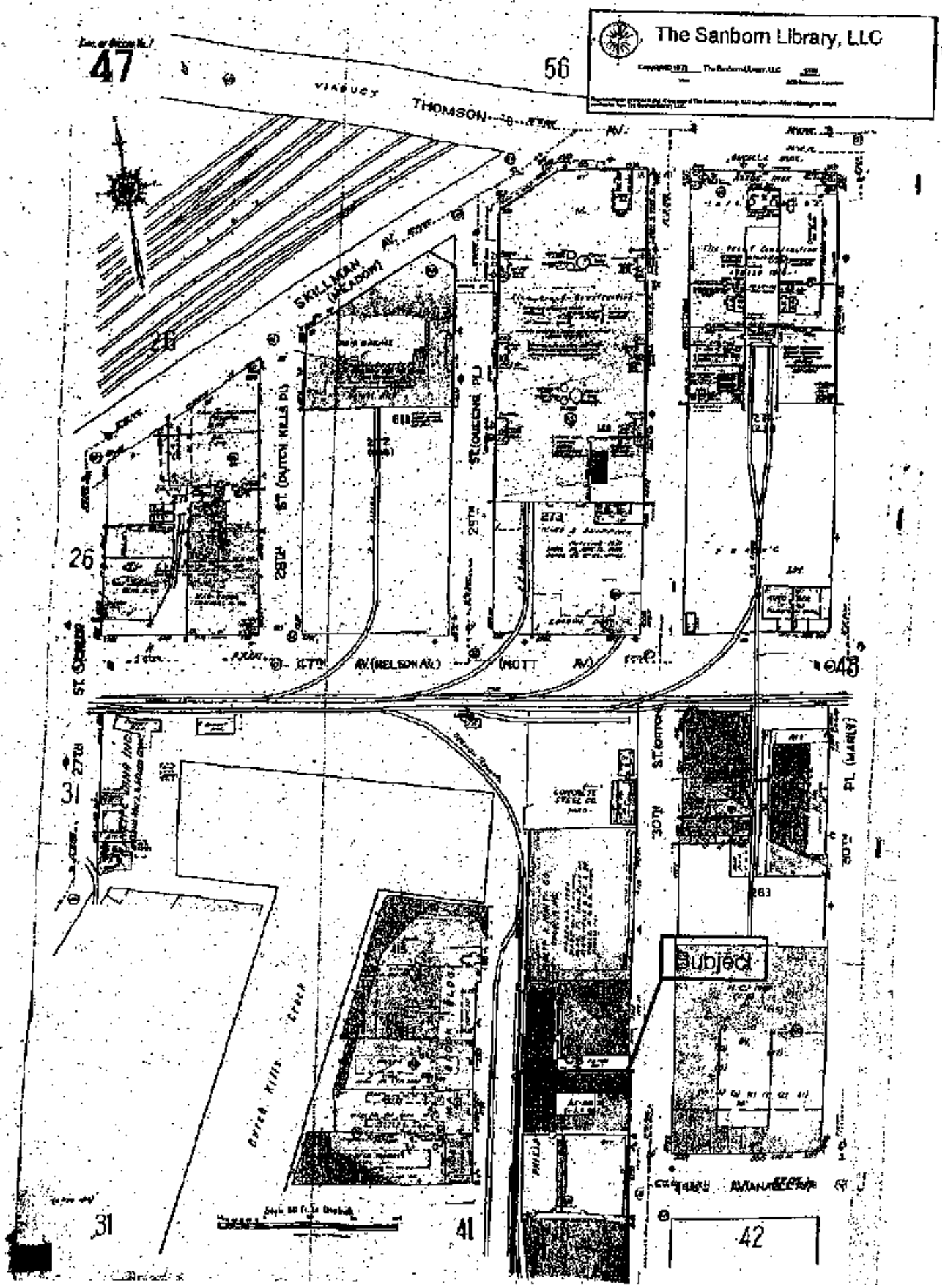

The Sanborn Library, LLC
47
VIADUCT
THOMSON
AV.
SKILLMAN
(MEADOW)
ST. (DUTCH KILL) PL
ST. (QUEENS) PL
28TH
29TH
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47TH
AV. (NELSON AV.)
(NOTT
AV.)
ST.
27TH
3
30TH
ST. (VERNON)
PL. (MANLY)
Subject
DUTCH KILL
CREEK

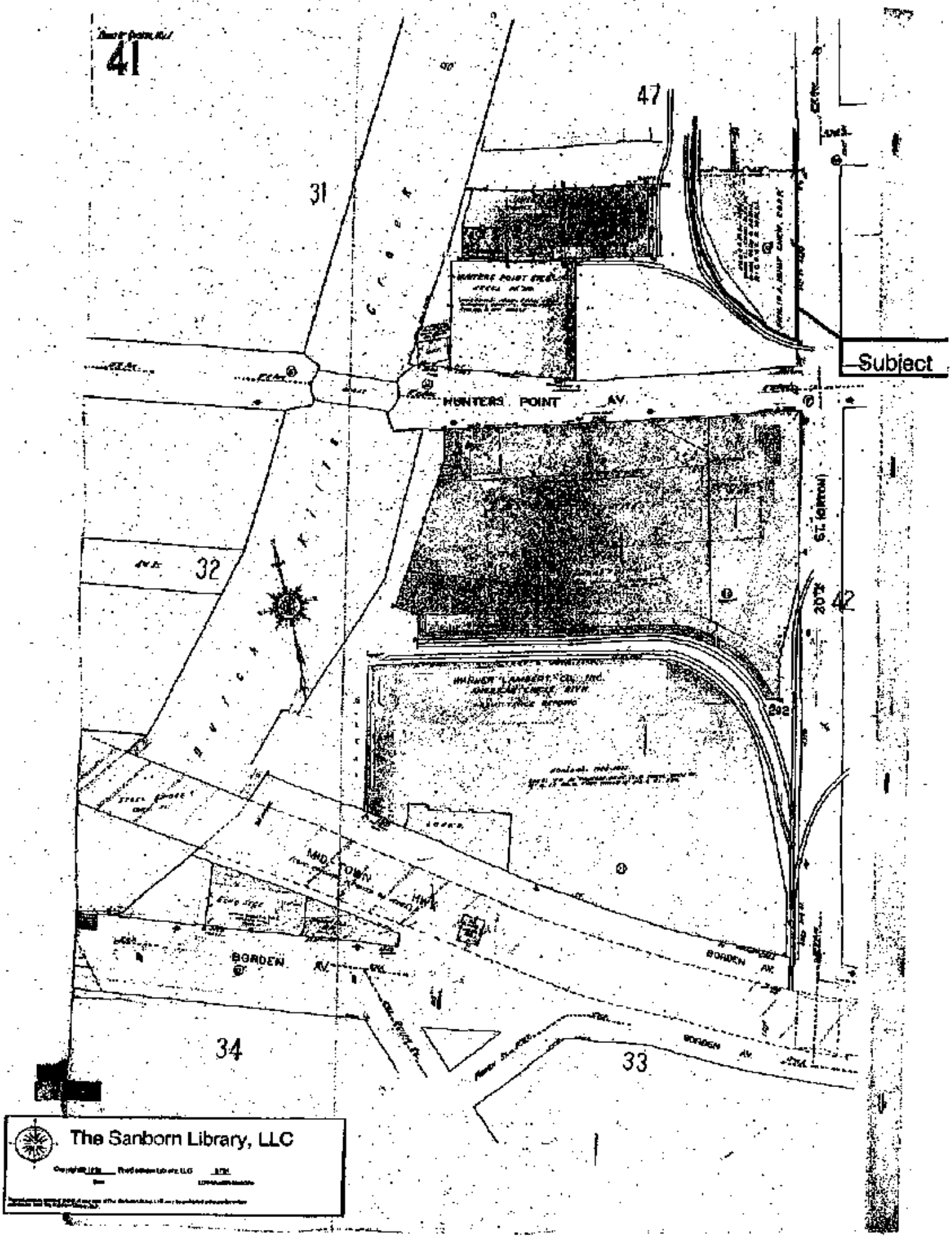

41
47
31
Subject
HUNTERS POINT AV.
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42
BORDEN AV
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The Sanborn Library, LLC

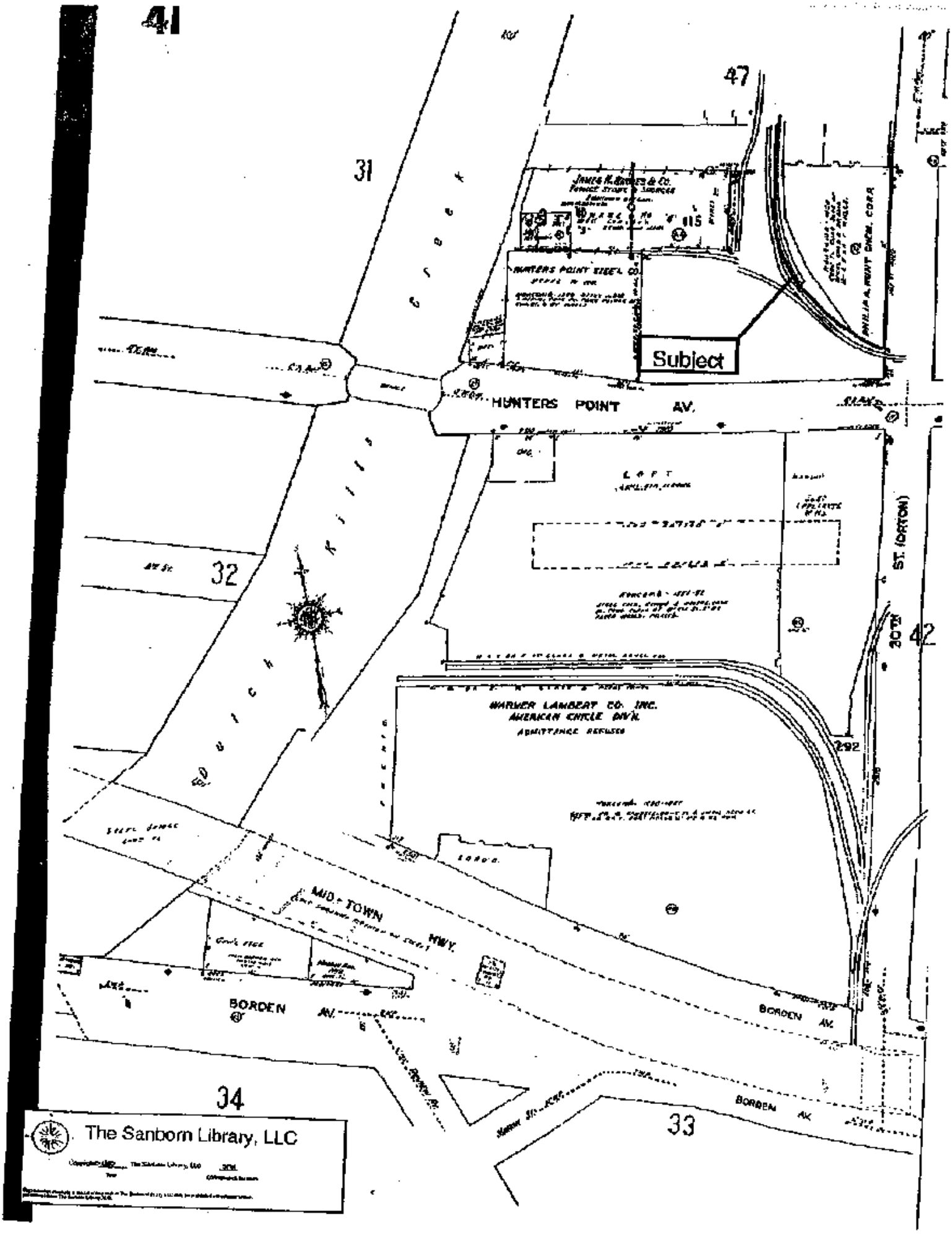

41
47
31
Subject
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32
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MID-TOWN
BORDEN AV.
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The Sanborn Library, LLC

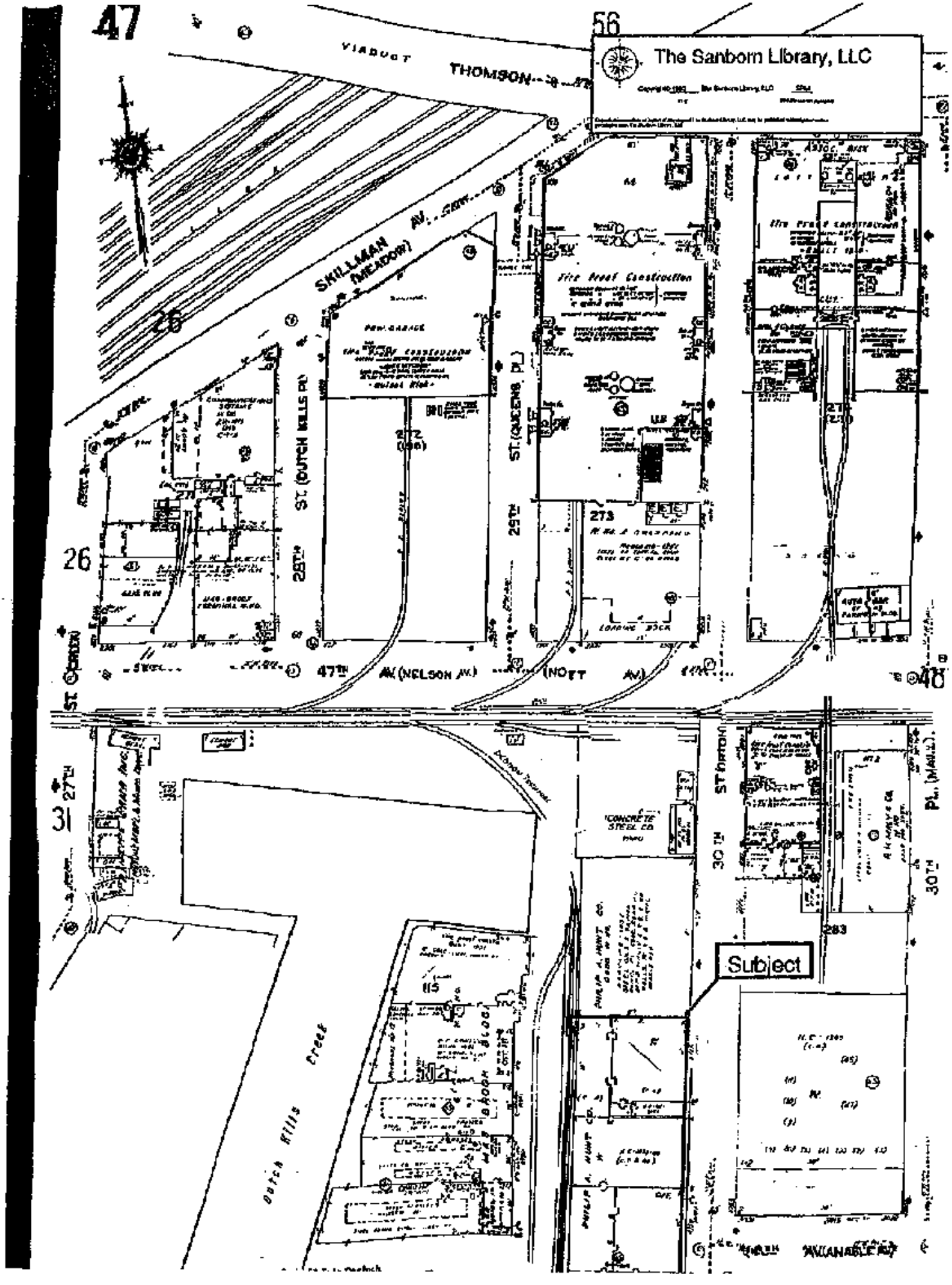
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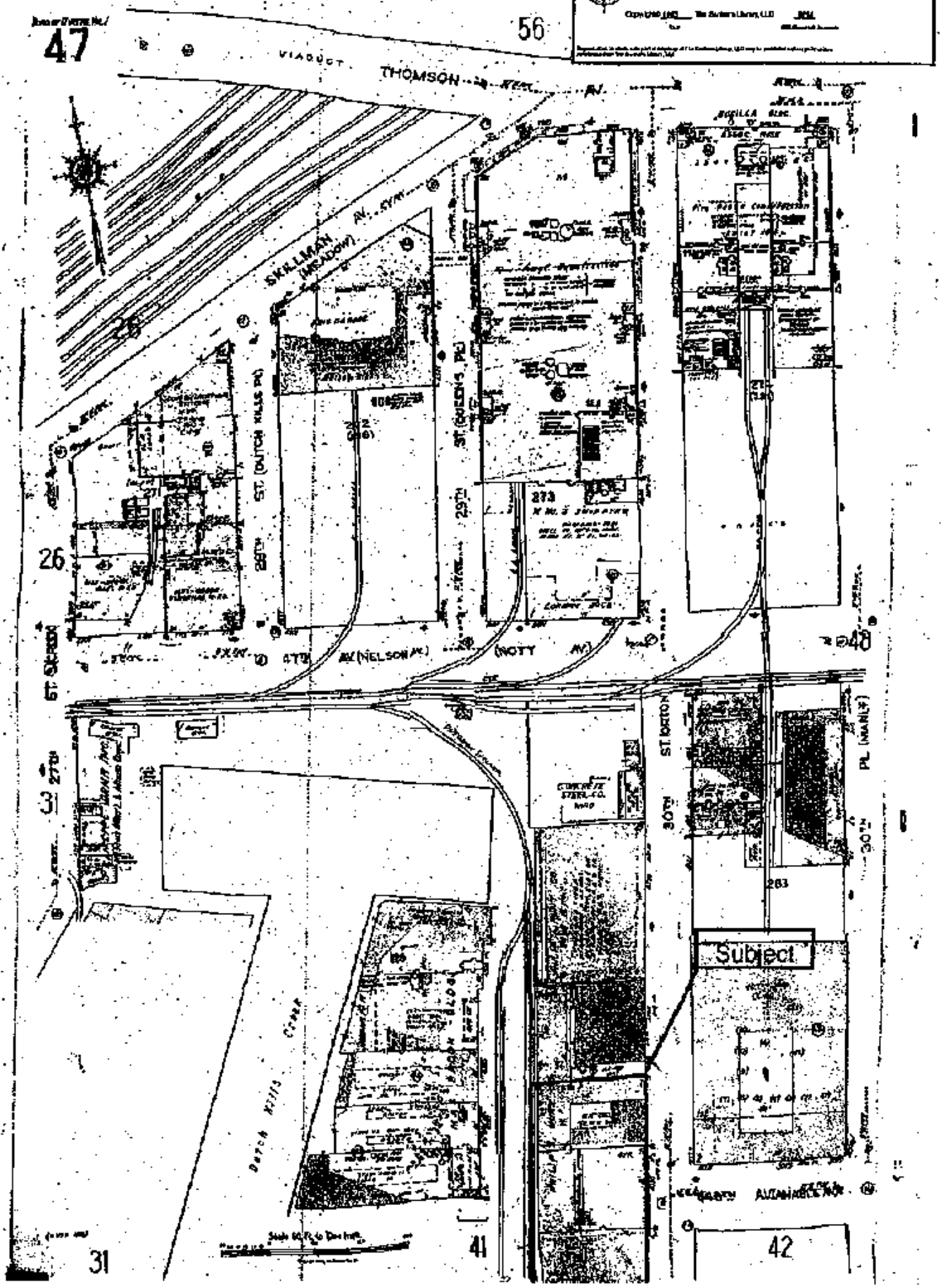

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47
56
THOMSON
SKILLMAN (MEADOW)
ST. (DUTCH KILLS PL)
ST. (QUEENS PL)
28TH
29TH
26
48
AV. (NELSON AV.)
(NOTT AV.)
27TH
31
30TH
PL (MAINE)
Subject
DUTCH KILLS CREEK
41
42

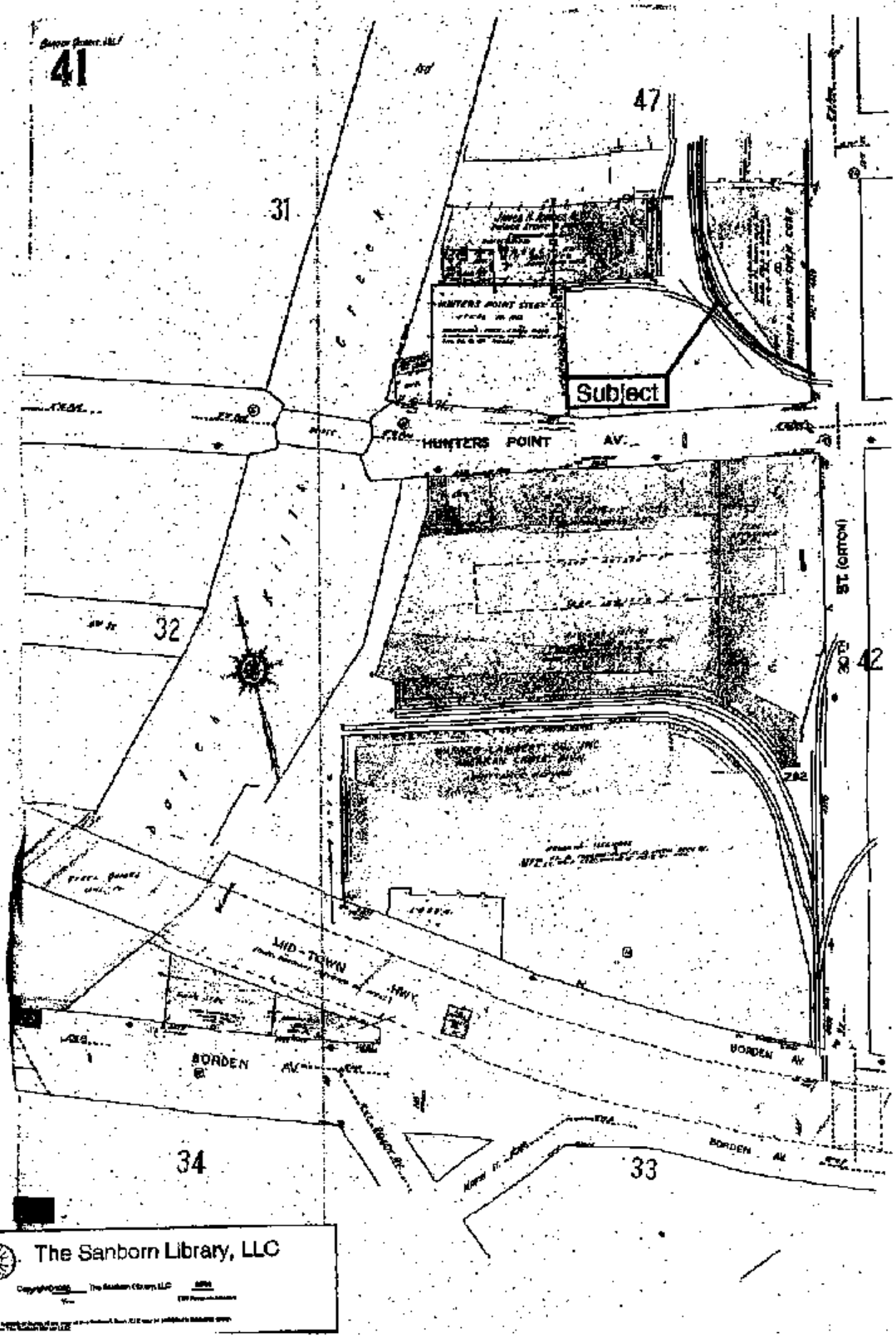

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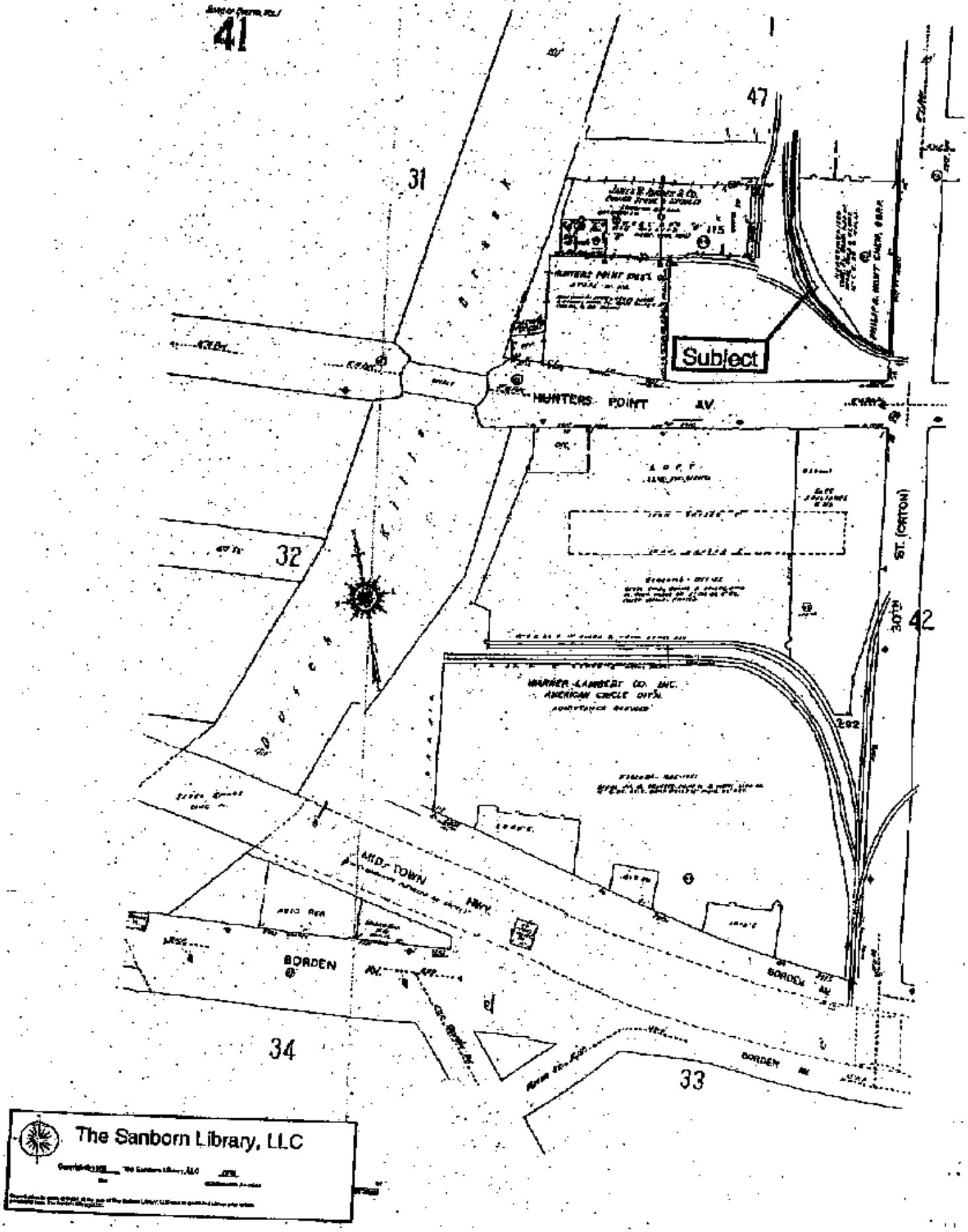

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47
31
CREEK
Subject
HUNTERS POINT AV.
32
QUESADA
ST. (ORTON)
42
292
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ADMITTANCE REFUSED
MID-TOWN HWY.
BORDEN AV.
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The Sanborn Library, LLC

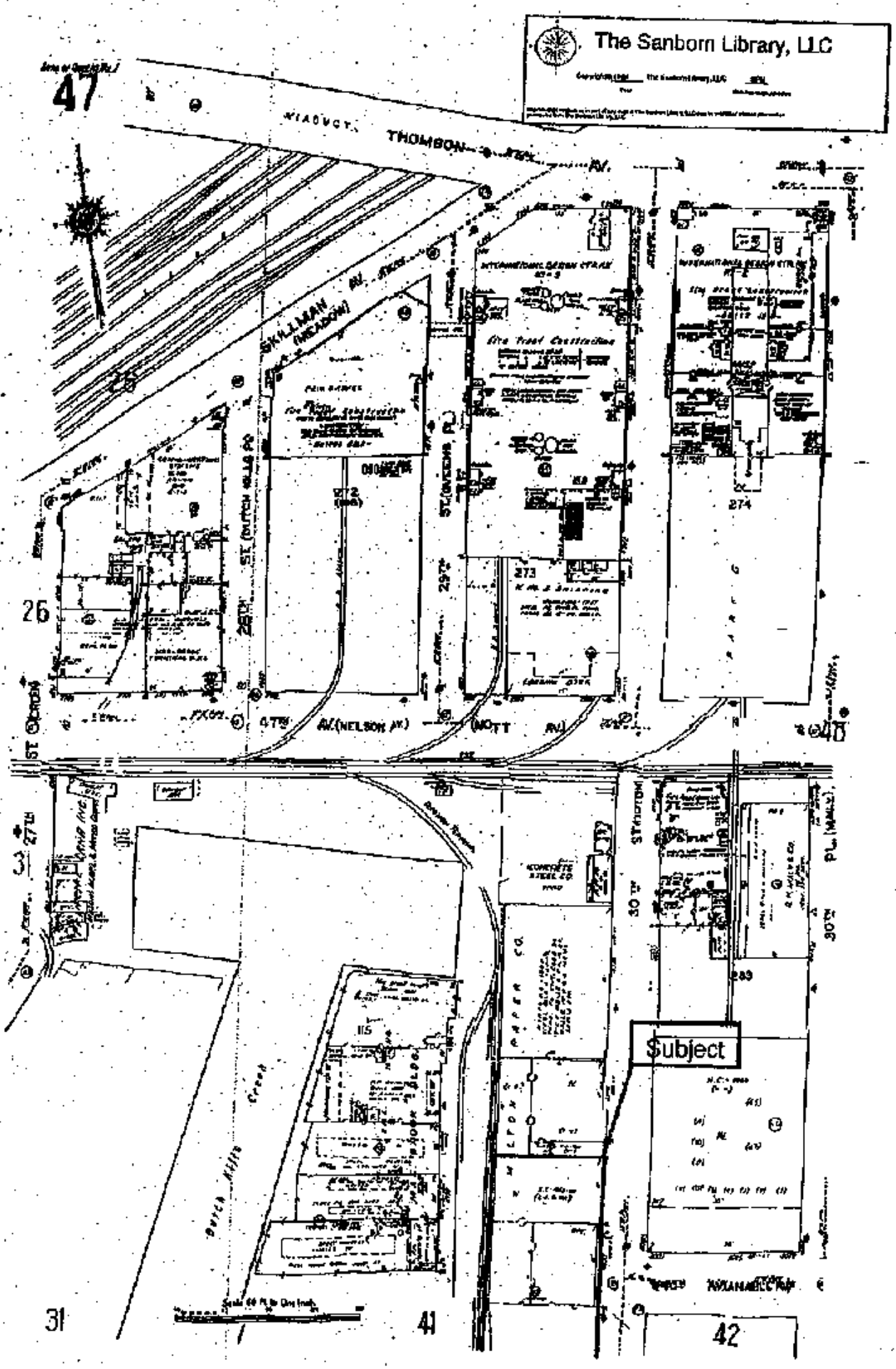

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The Sanborn Library, LLC
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THOMSON
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26
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28TH
ST. (QUEENS PL)
29TH
Fire Proof Construction
273
47TH AV. (NELSON AV.)
(NOTT AV.)
48
ST. (VERNON)
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31
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ST (HERON)
PL. (MAIN)
283
Subject
115
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VANADIUM RD

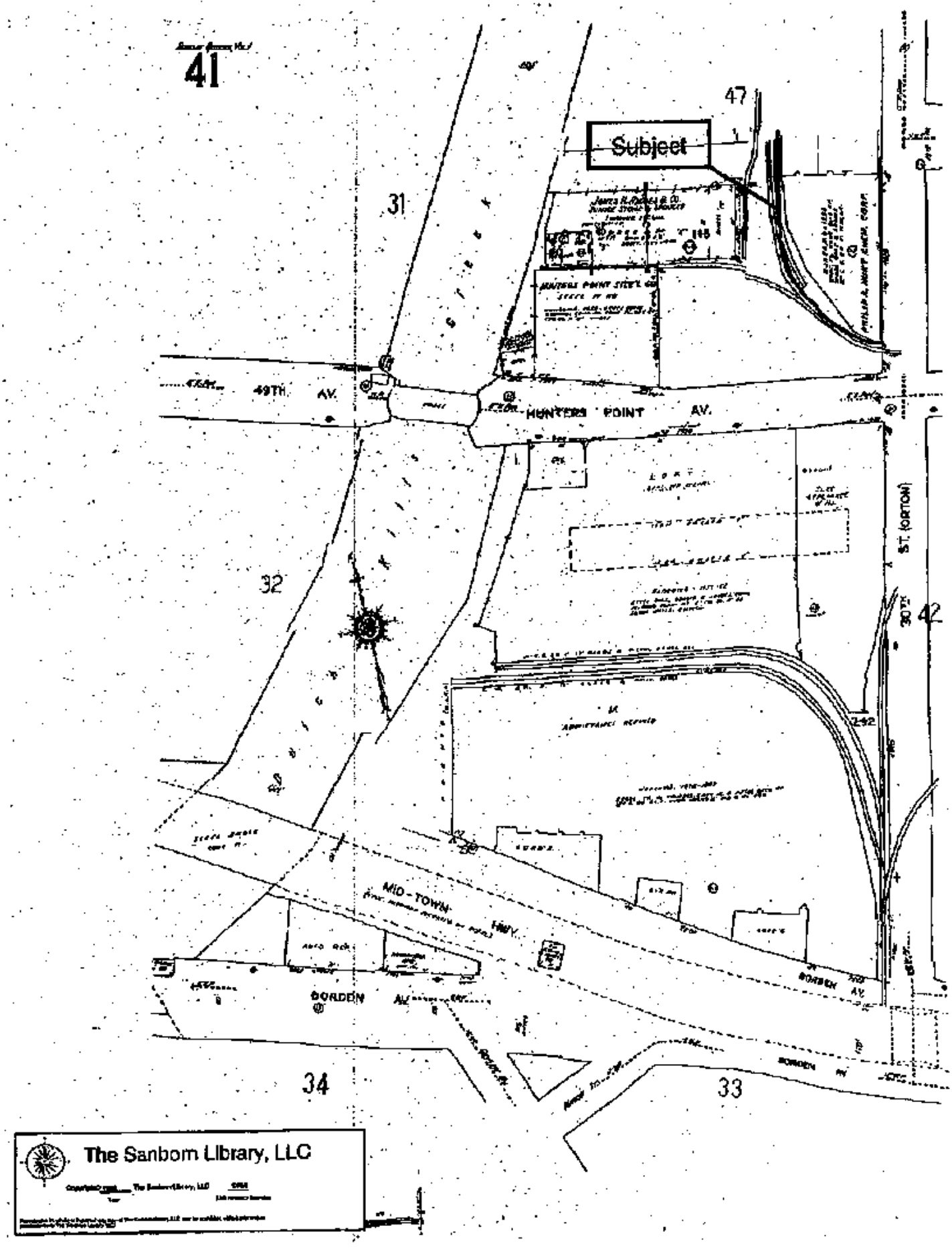
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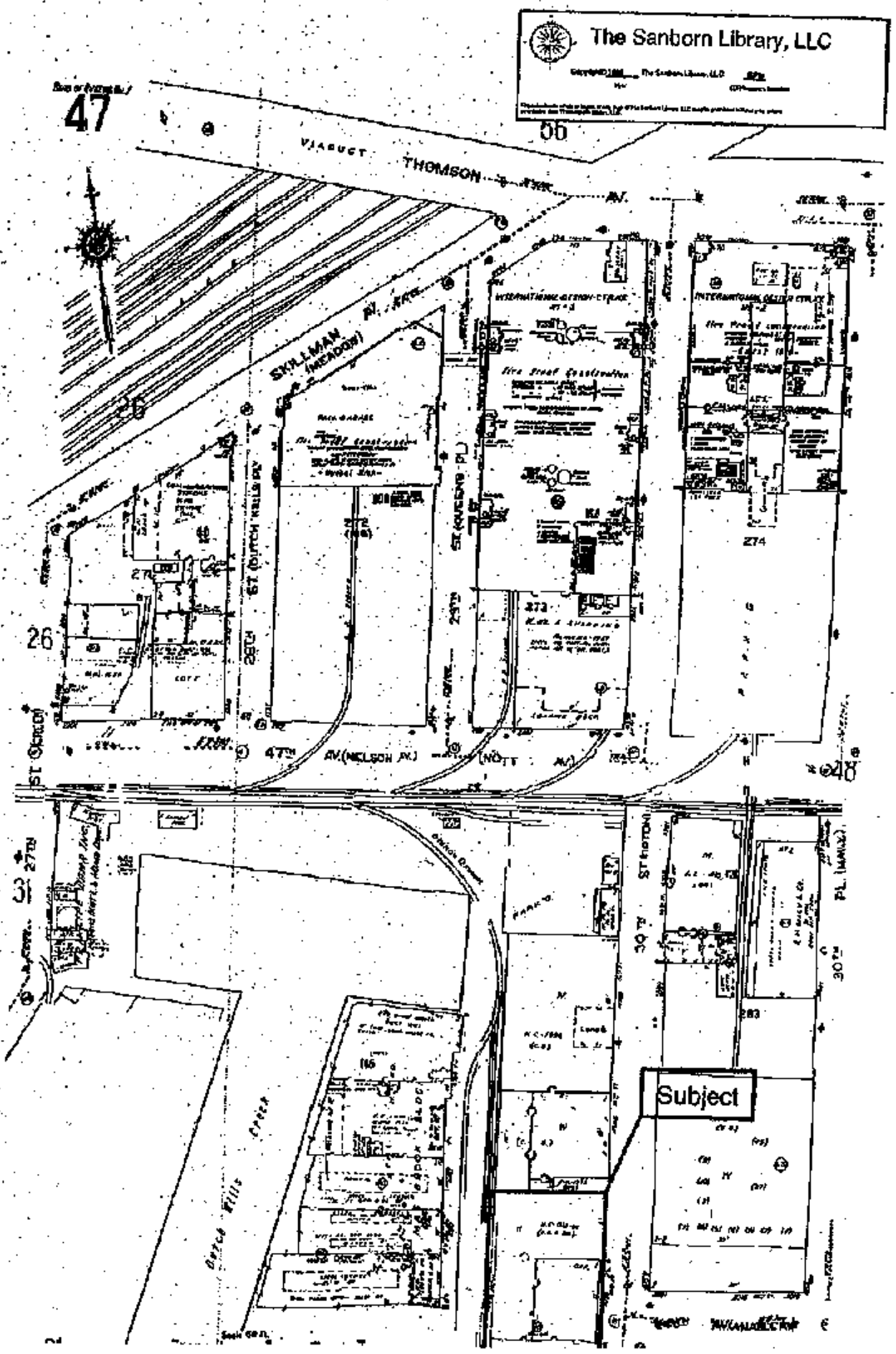


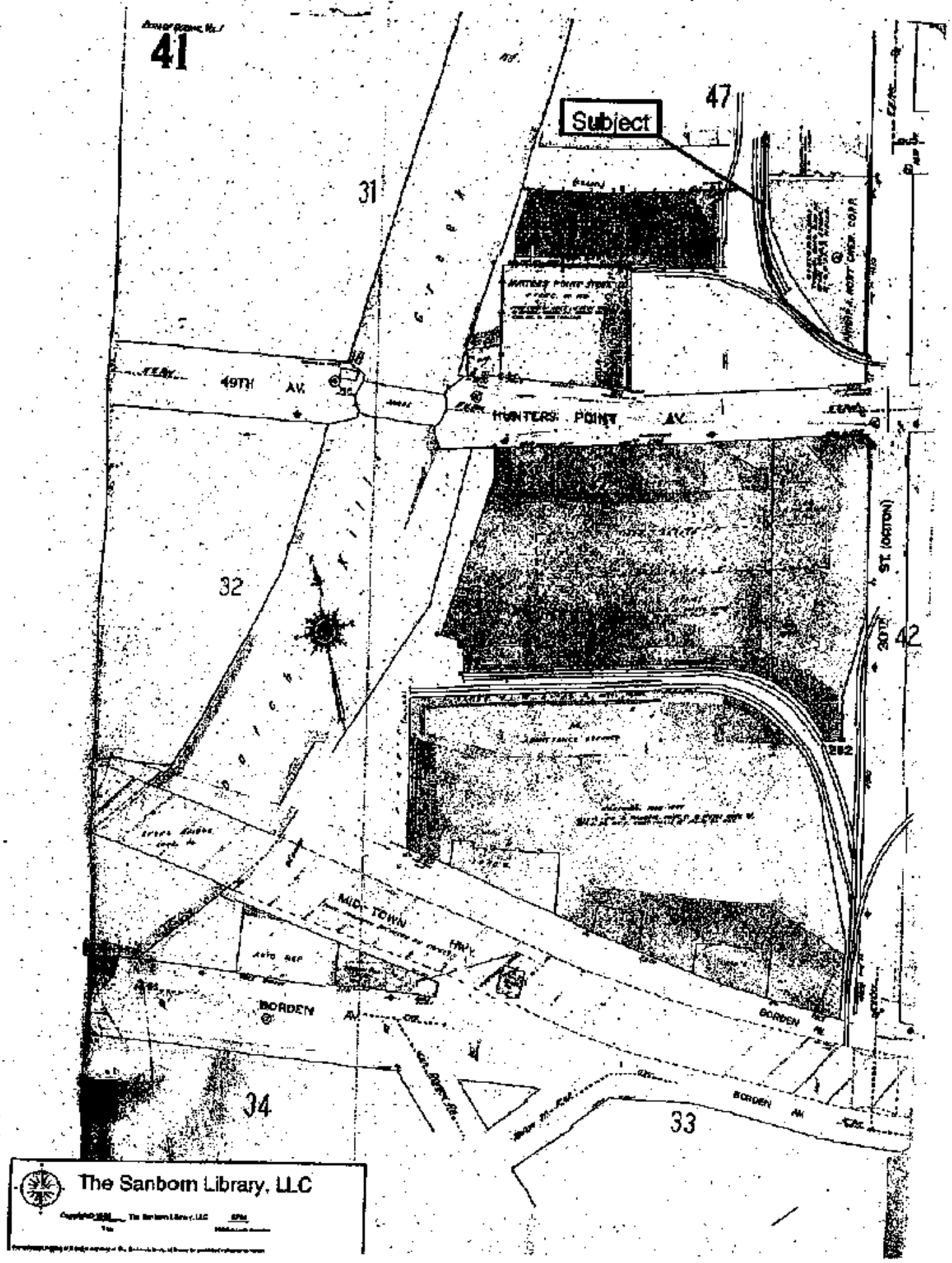

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Subject
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MID-TOWN
HWY.
BORDEN AV.
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The Sanborn Library, LLC

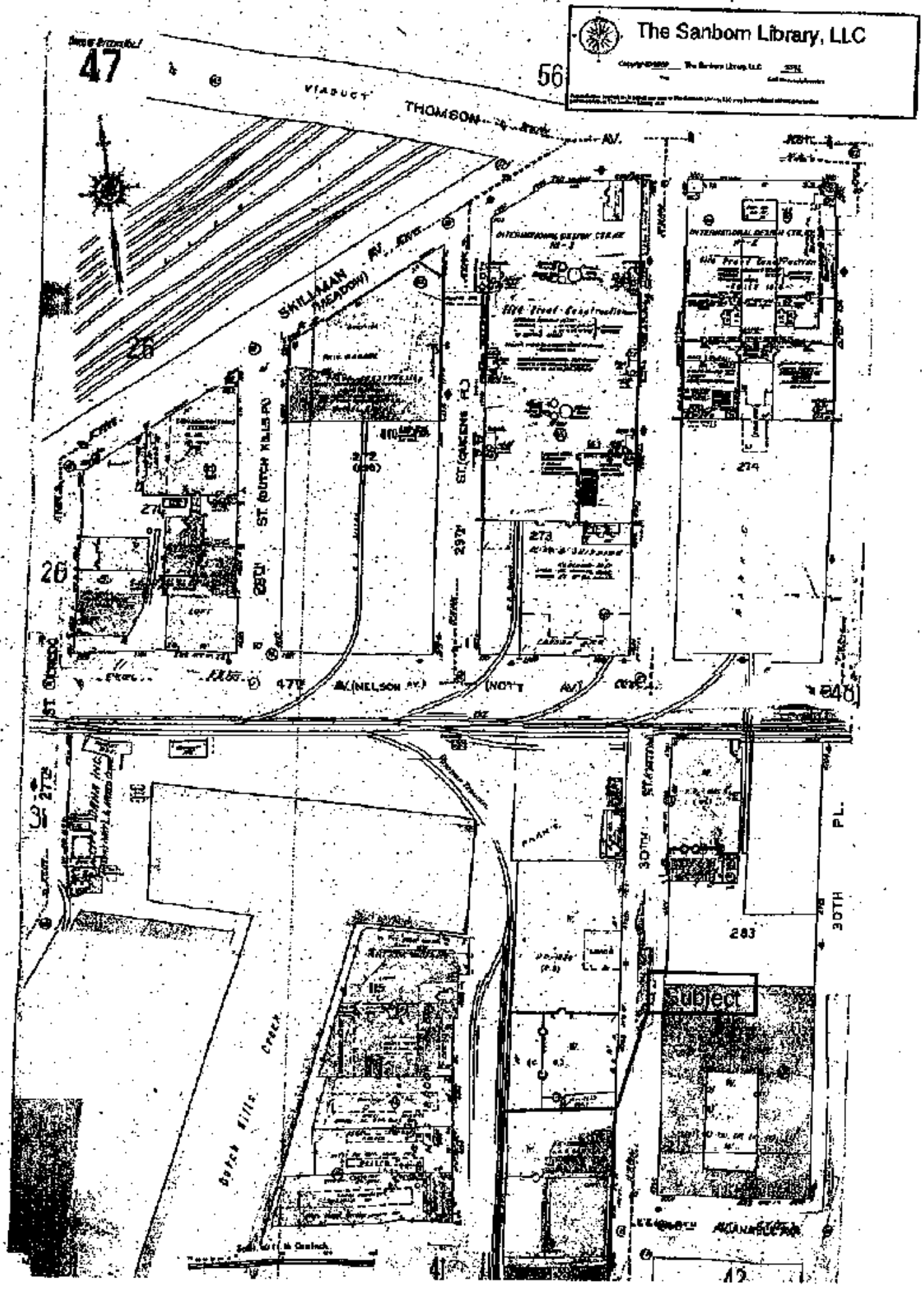

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MID-TOWN
BORDEN
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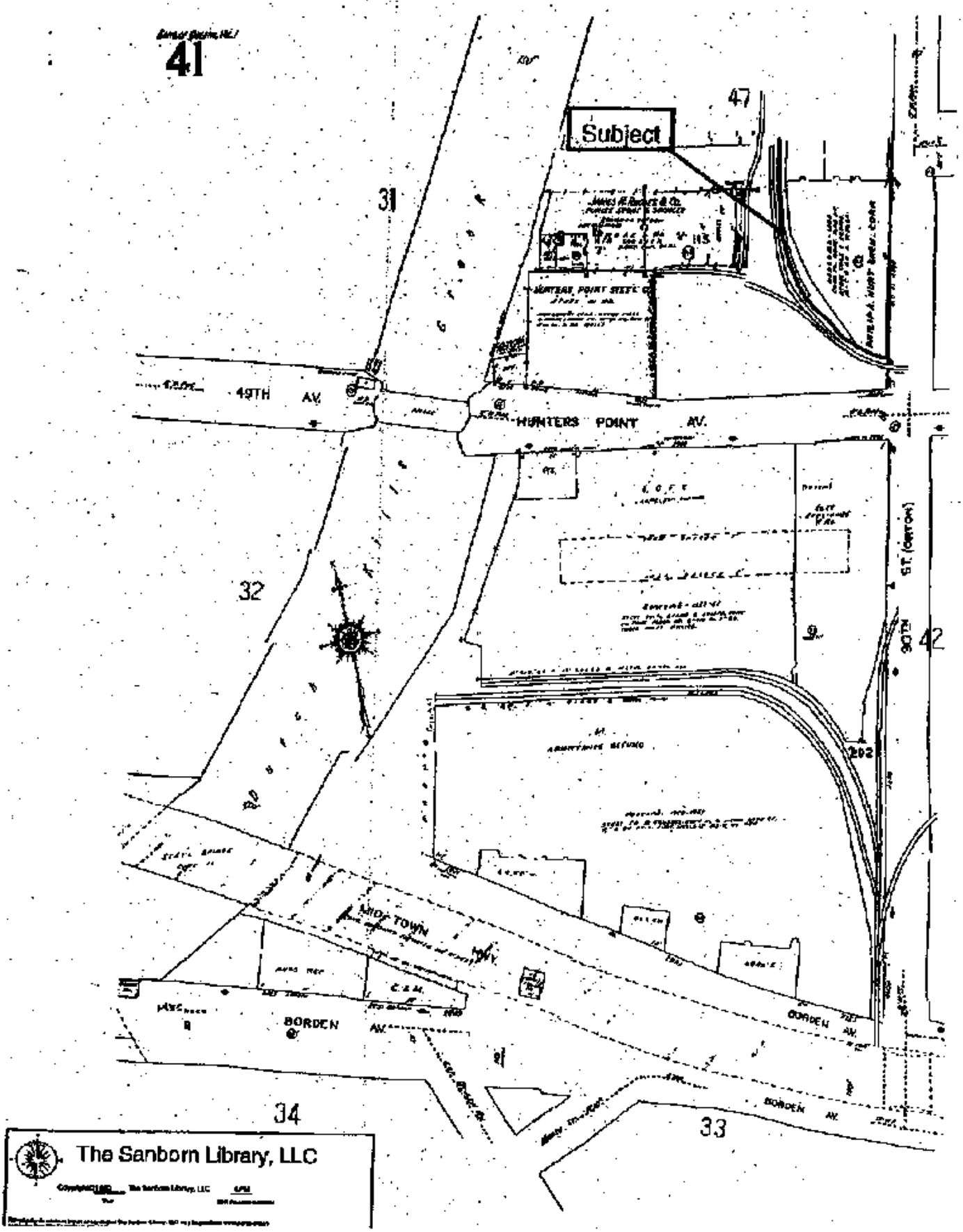

The Sanborn Library, LLC
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Subject
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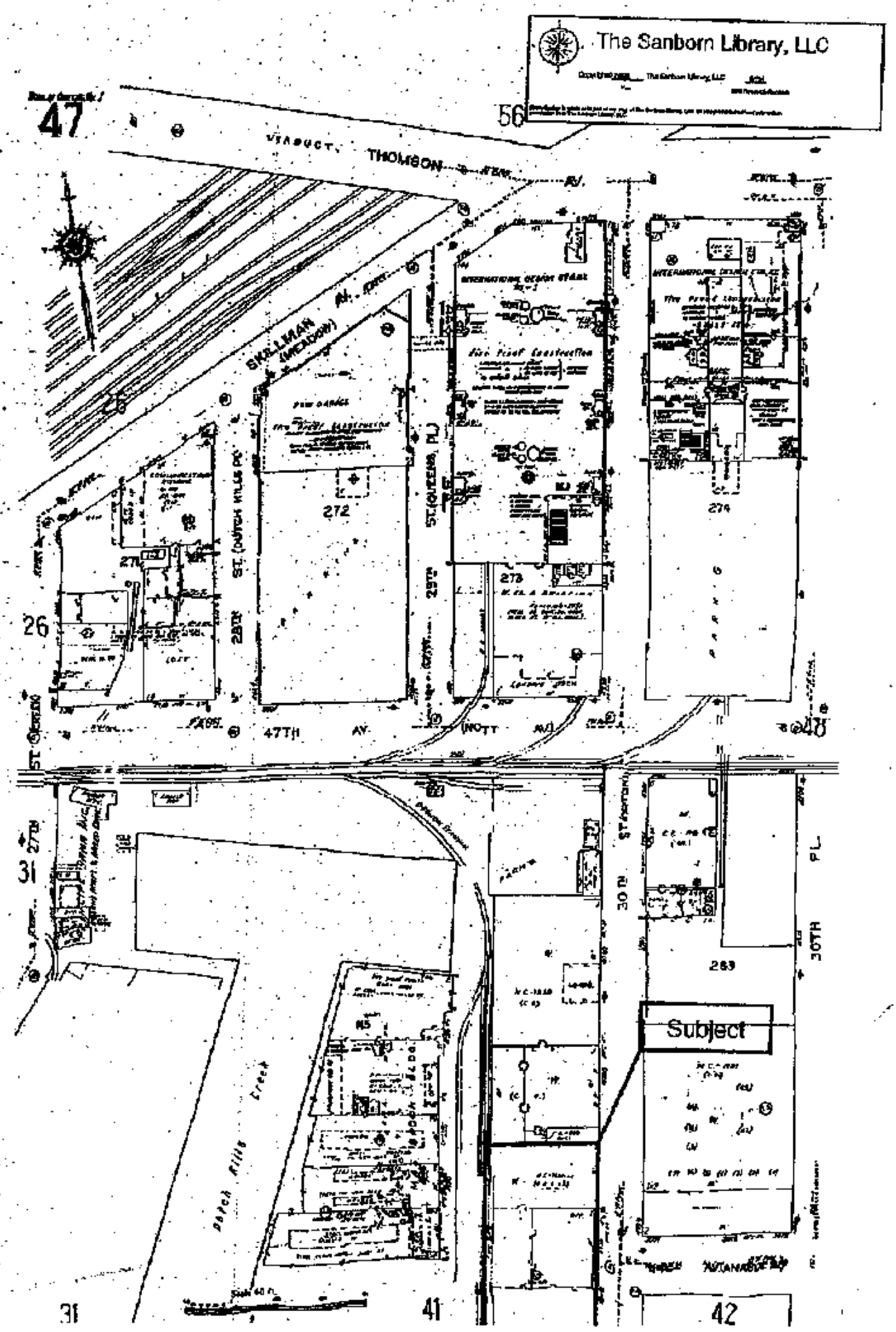

41
Subject
47
31
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ST. (PORTION)
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HWY.
BORDEN AV.
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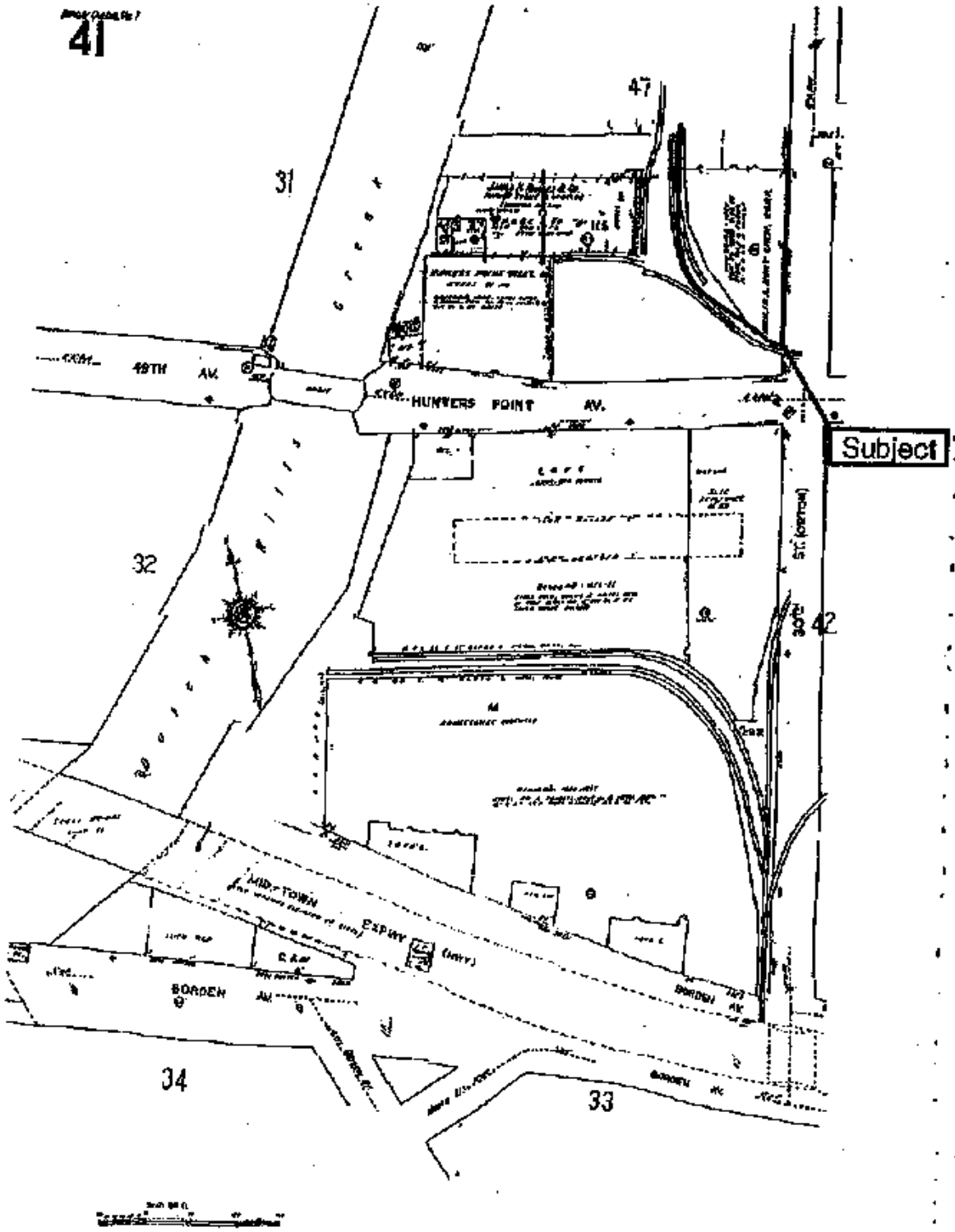

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26
27TH
28TH
29TH
47TH AV.(NELSON PL.)
(NOTT AV.)
ST GEORGE
ST VICTOR
30TH
PL. (MANUAL)
Subject
Dutch Hills Creek


41
Subject
47
31
49TH AV.
HUNTERS POINT AV.
32
20TH ST. (OSTON)
42
282
MID-TOWN
BORDEN AV.
BORDEN
34
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The Sanborn Library, LLC


The Sanborn Library, LLC
47
56
VIADUCT
THOMSON
AV.
SKILLMAN
(MEADOW)
AV.
ST. (DUTCH KILLS RD)
ST. (QUEENS RD)
29TH
28TH
26
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272
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274
47TH
AV. (NELSON AV.)
(NOTT
AV.)
48
ST. (VERNON BLVD)
30TH
ST. (STANTON)
PL.
30TH
283
Subject
DUTCH KILLS CREEK
41
42

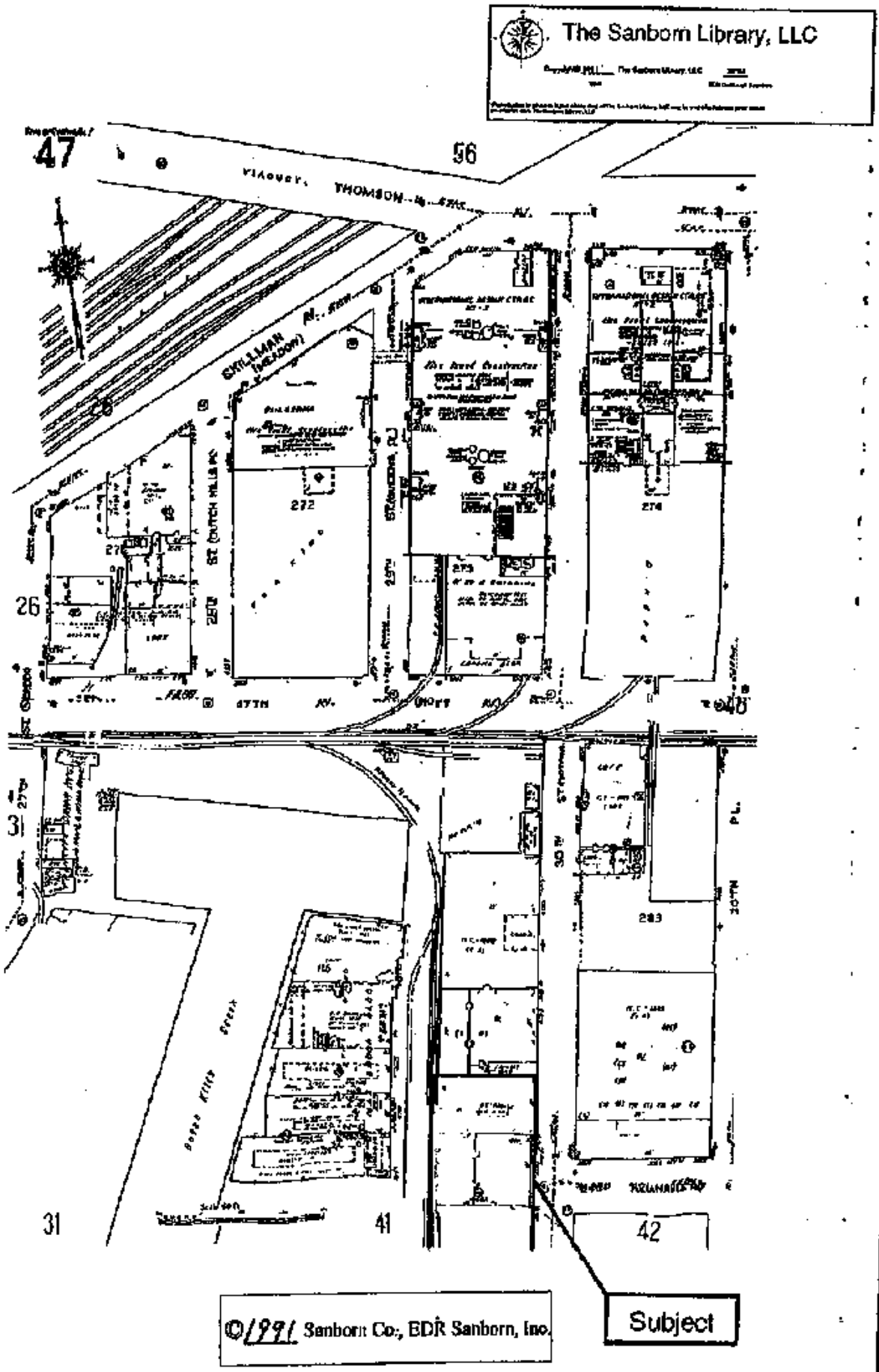

41
Subject
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49TH AV.
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MID TOWN
HWY.
BORDEN AV.
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The Sanborn Library, LLC

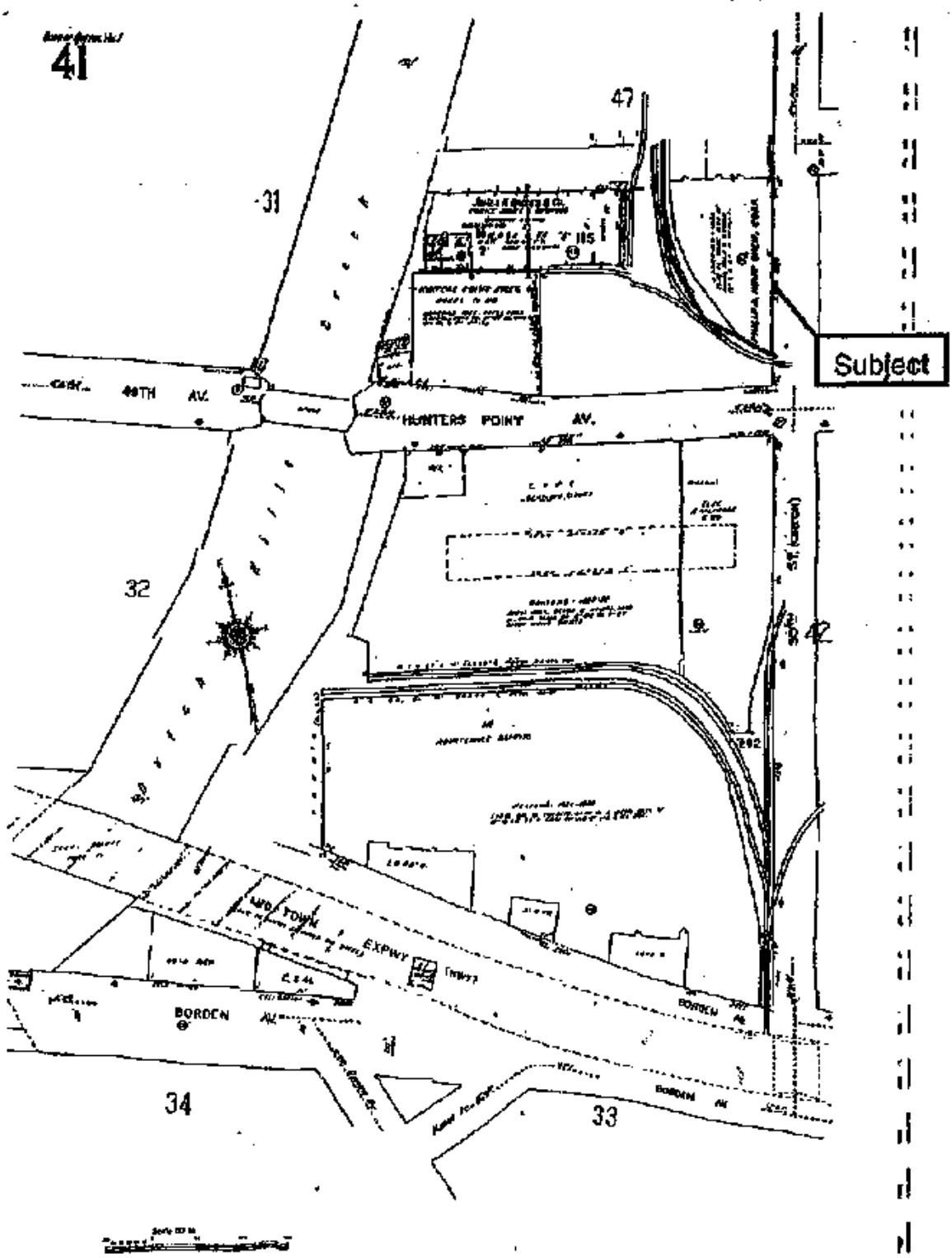

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VIADUCT
THOMSON
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SKILLMAN (MEADOW)
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28TH
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29TH
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47TH
AV.
(NOTT
AV.)
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ST. (QUEEN)
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30TH ST
30TH PL
283
Subject
Beach Hills Creek
31
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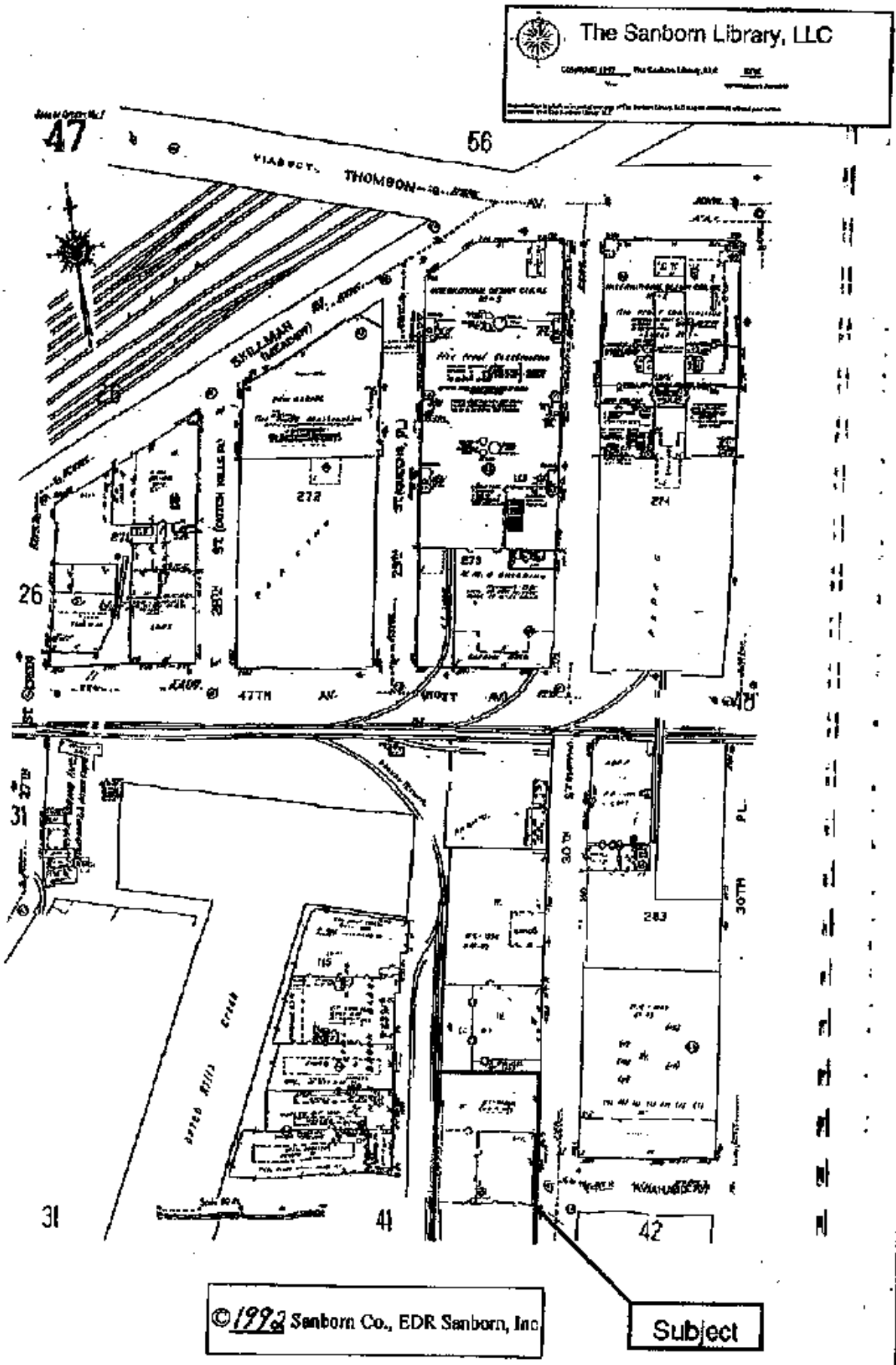
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56
VIADUCT
THOMSON
SKILLMAN (MEADOW)
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272
273
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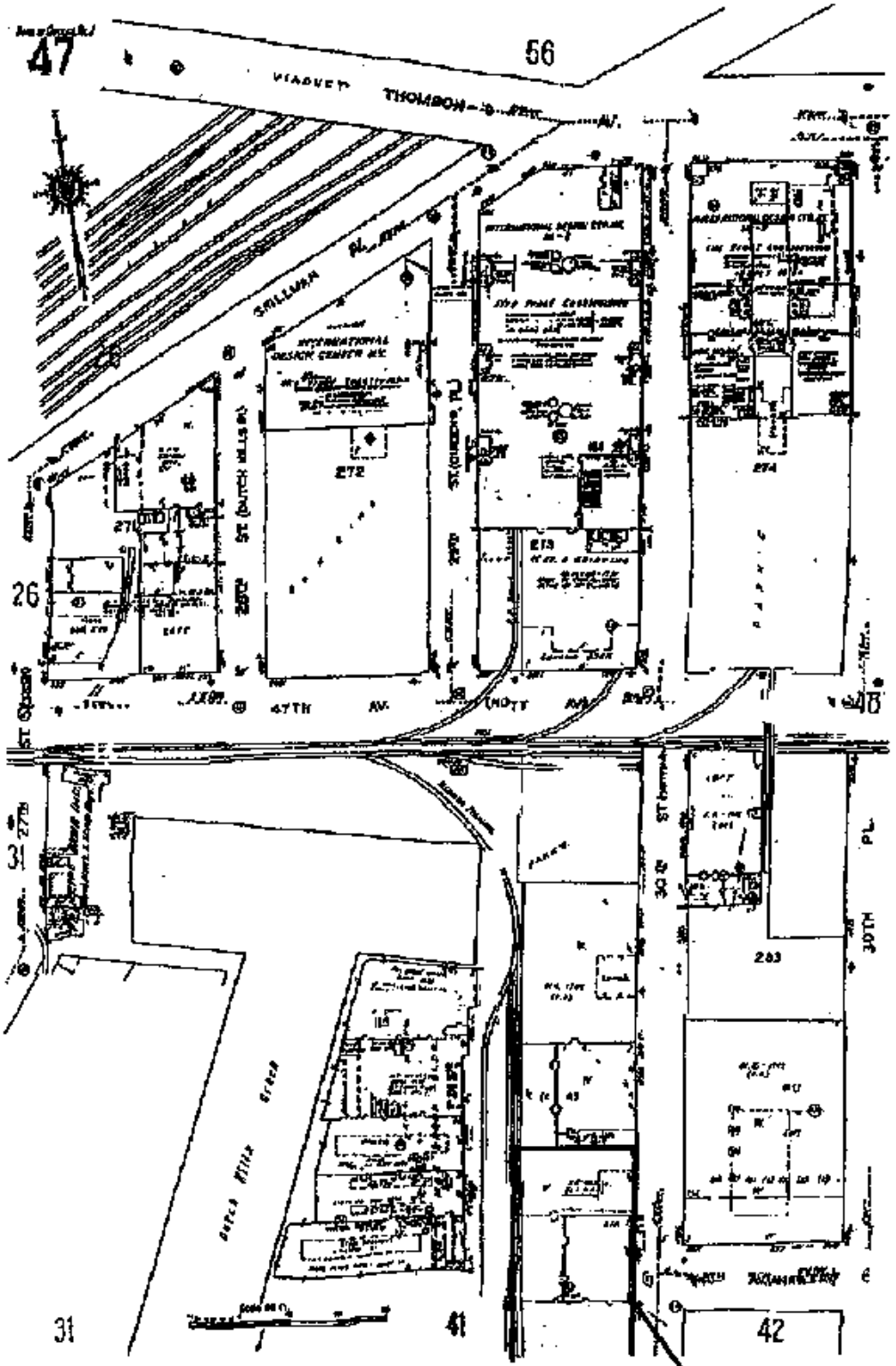


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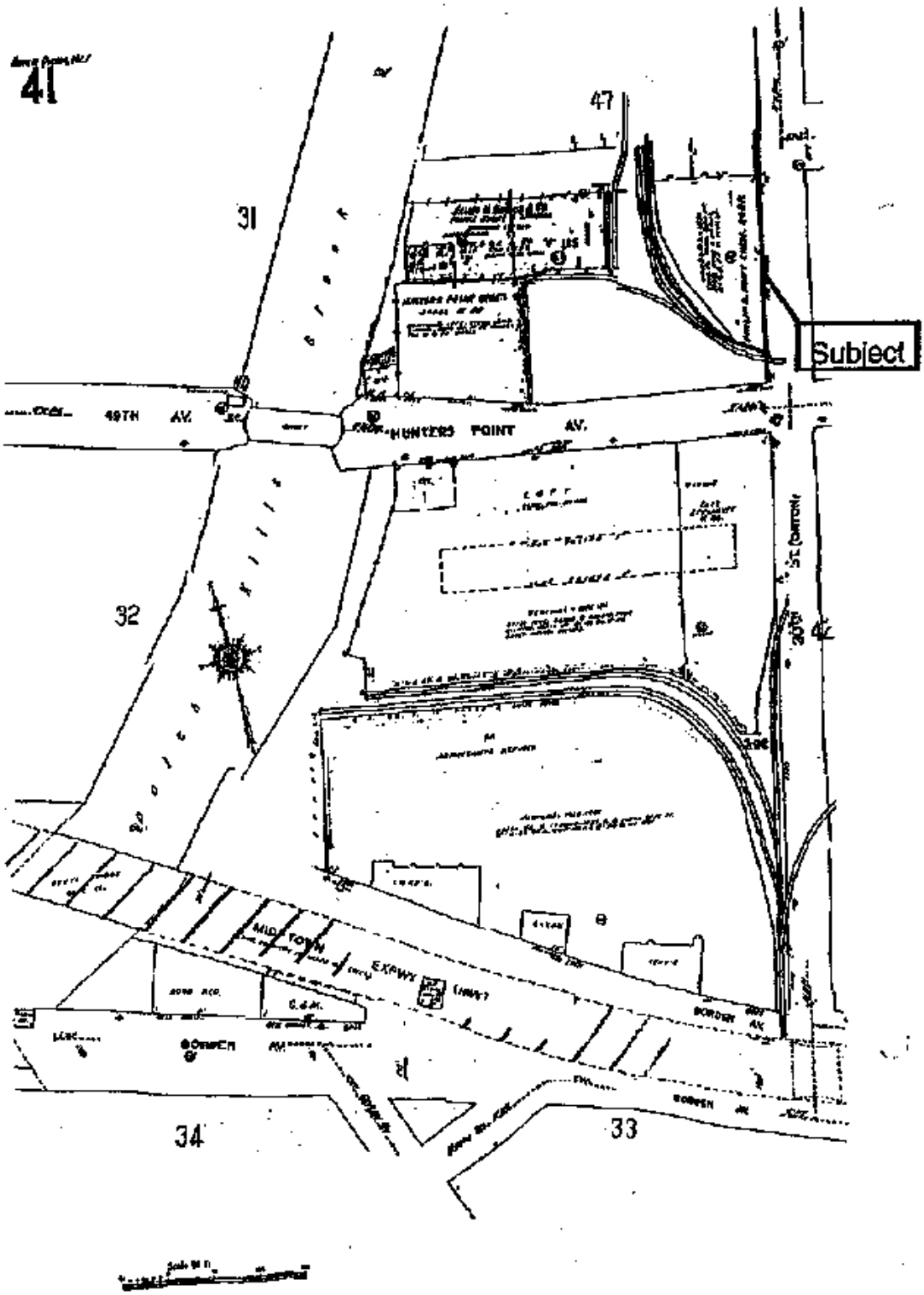
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THOMSON
SYCAMORE
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Subject

The Sanborn Library, LLC



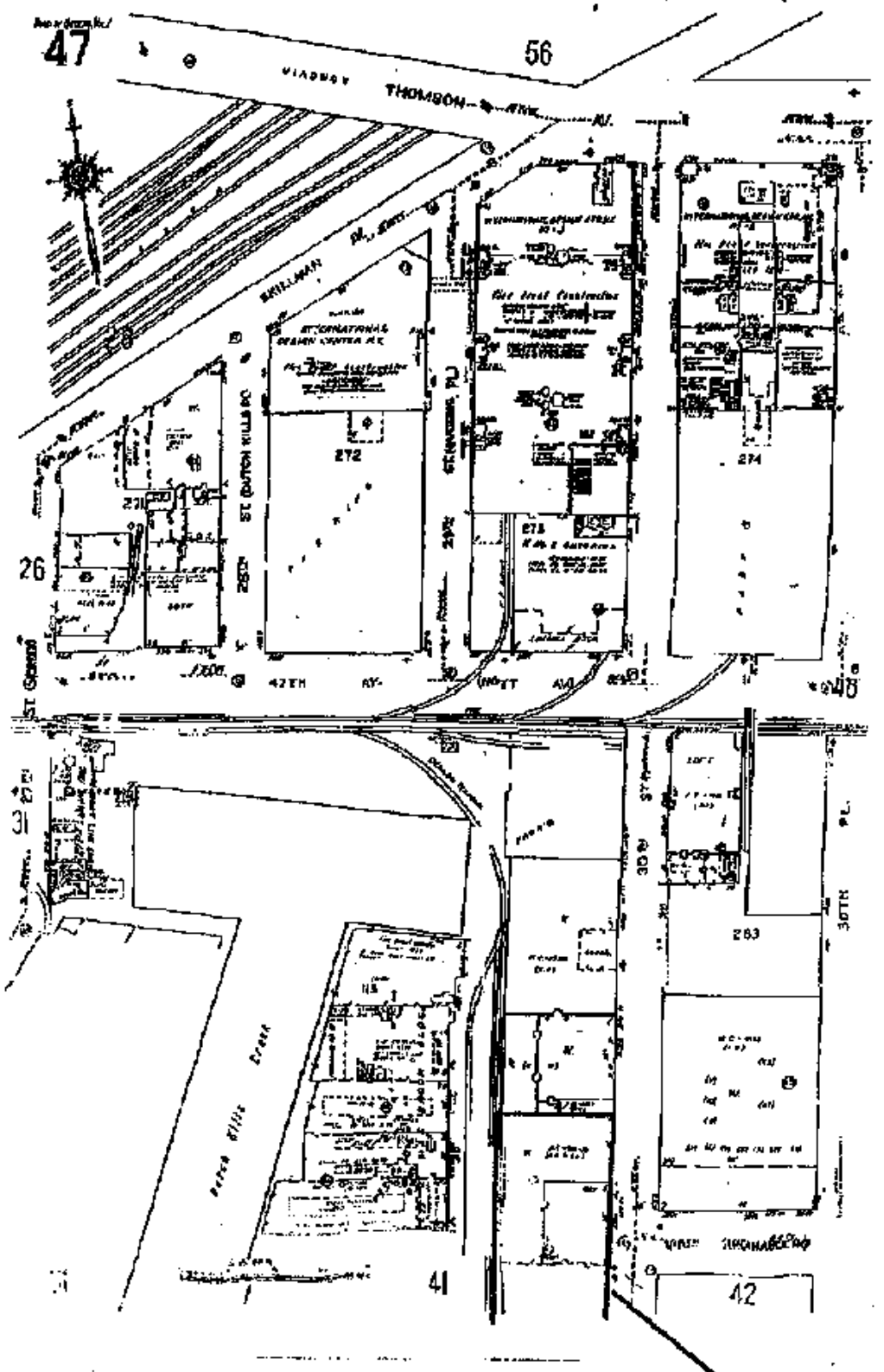
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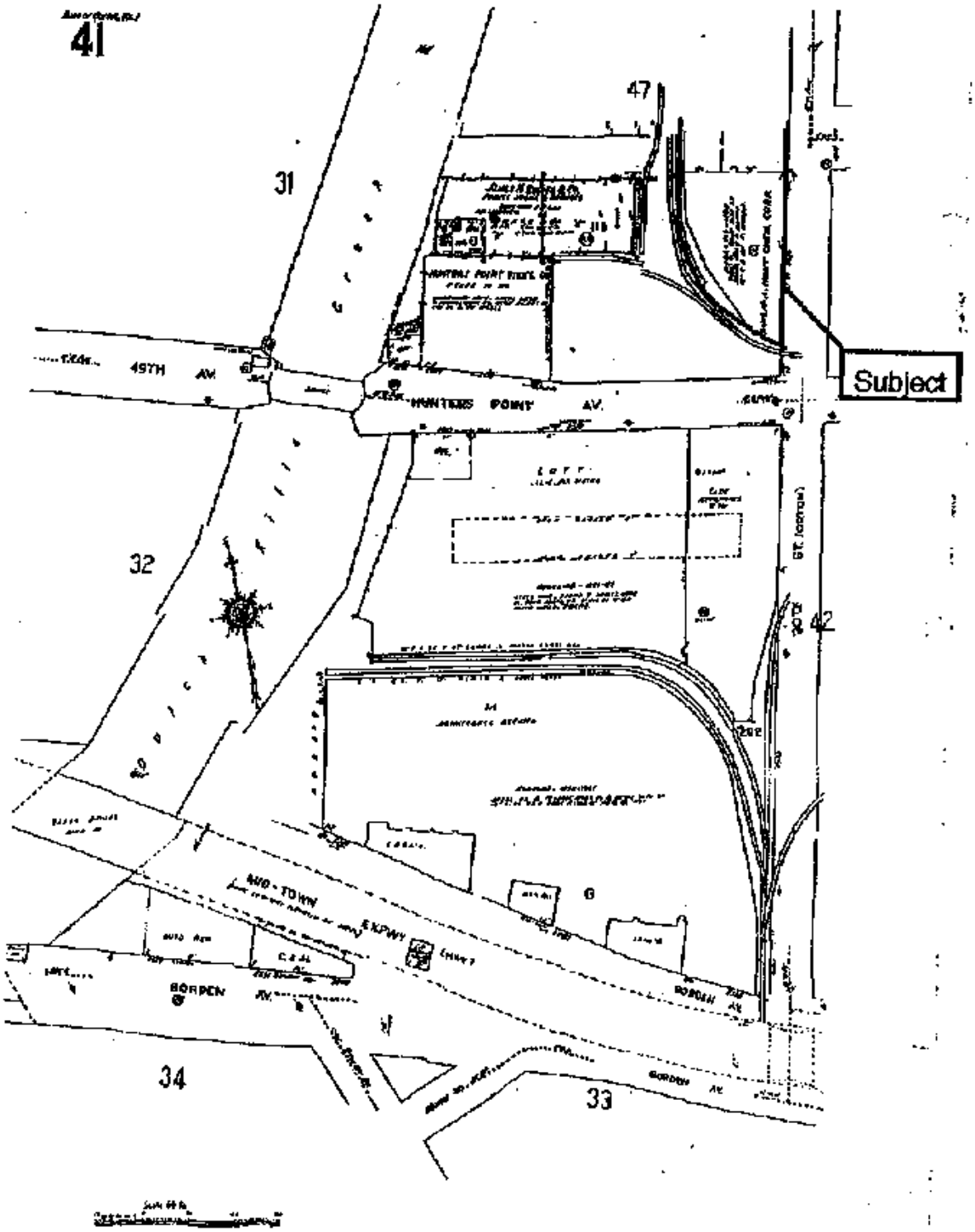
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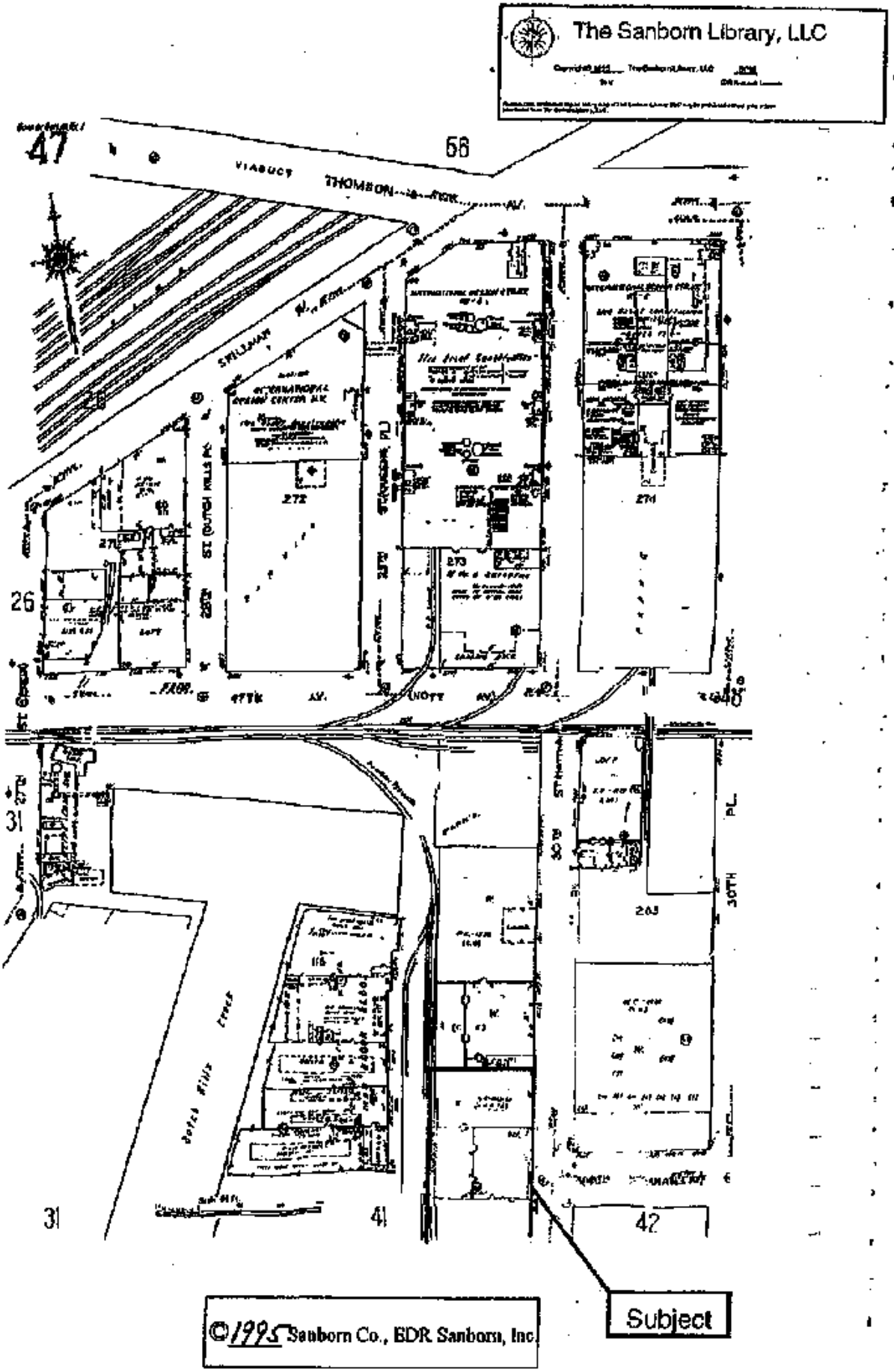
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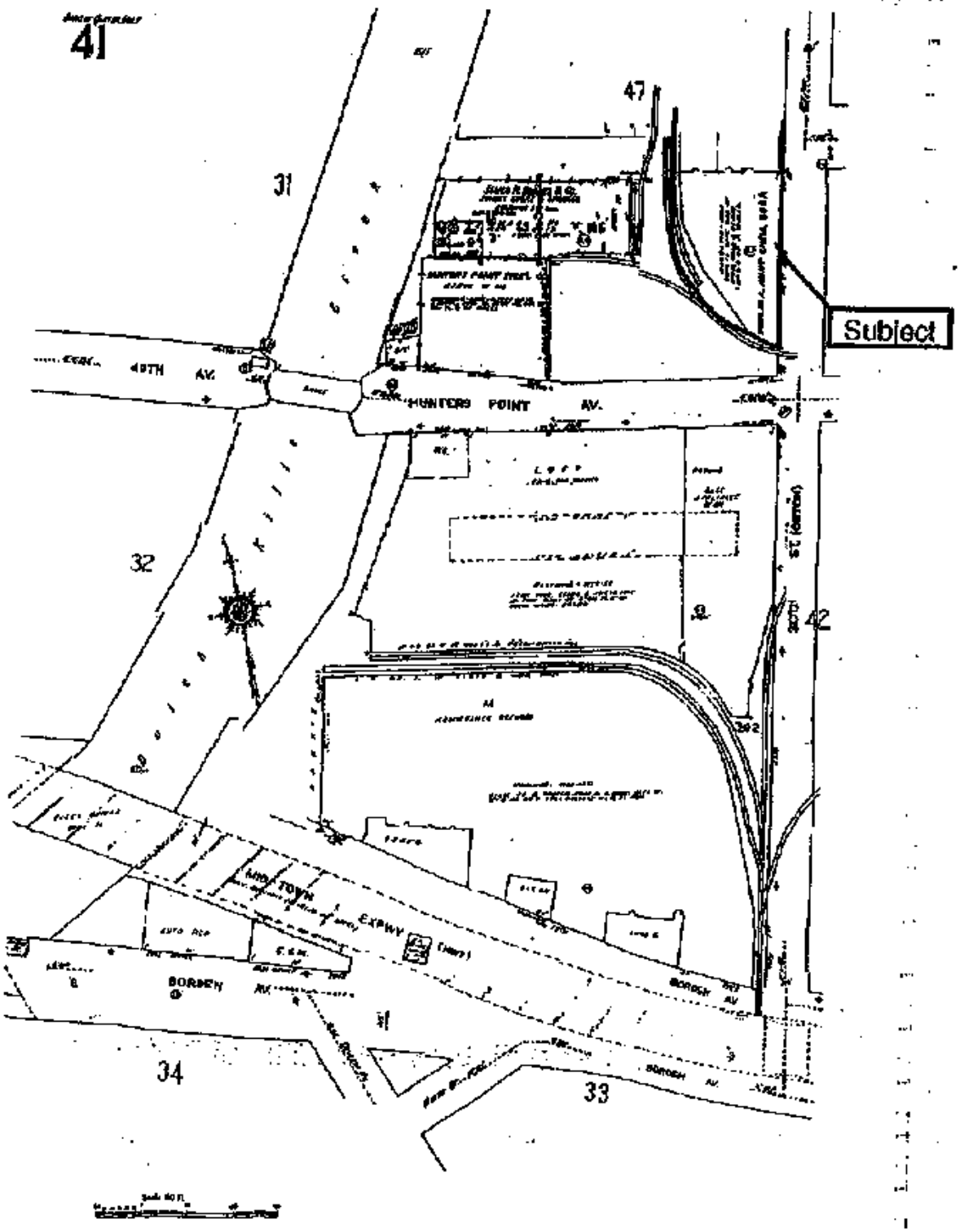


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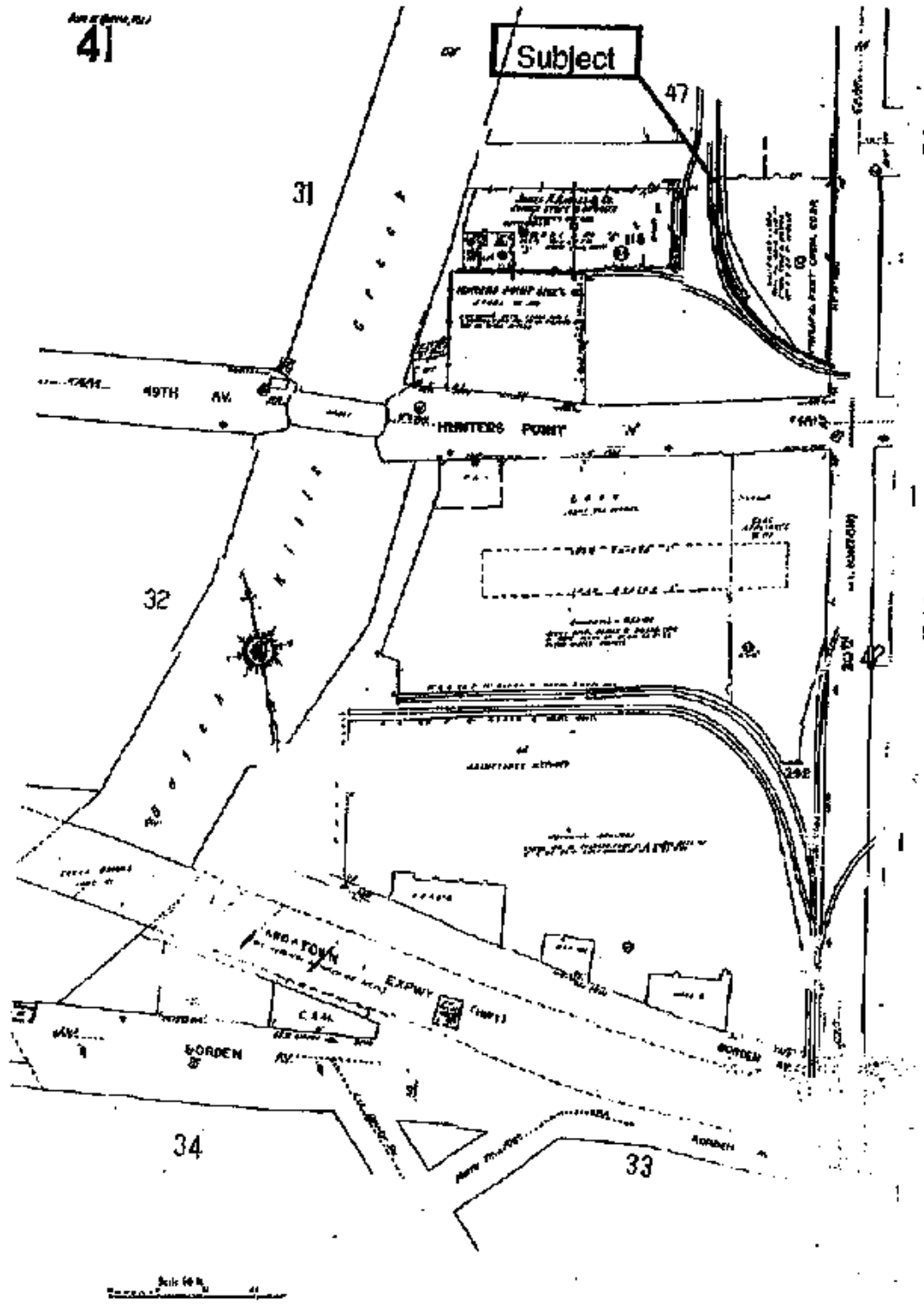


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The Sanborn Library, LLC
47
58
VIADUCT
THOMSON
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AV.
STILLMAN
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271
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PL.
Subject
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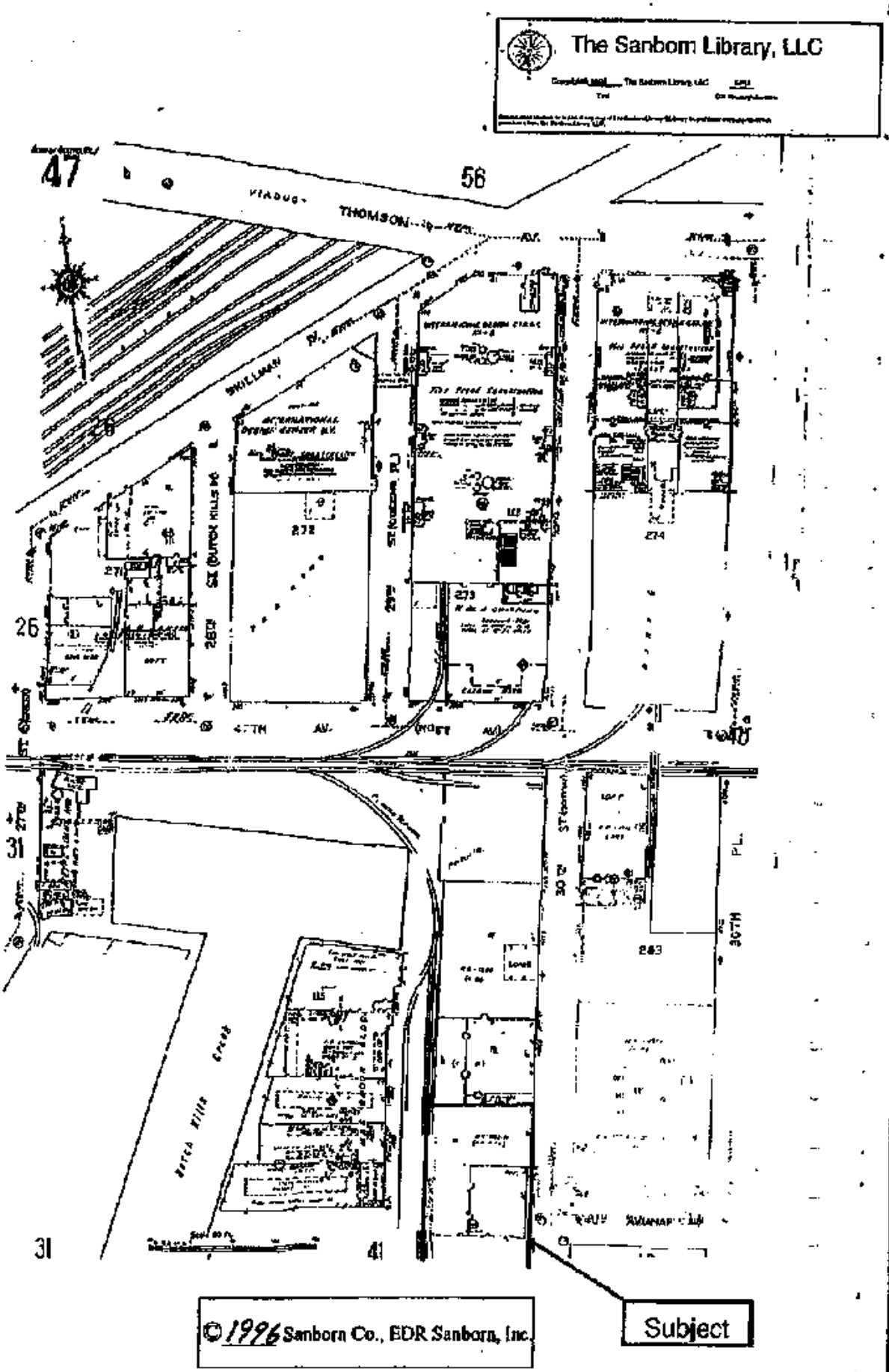


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THOMSON
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Subject
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WHITESTONE ASSOCIATES, INC.

APPENDIX 6
Transaction Screen Process Questionnaire

Site Inspection Date: July 21, 2005

Whitestone Project No.: WJ05-7931

TRANSACTION SCREEN PROCESS QUESTIONNAIRE (ASTM E1528-00)

SECTION 1 - GENERAL INFORMATION

1. SITE INFORMATION:	Existing Milton Paper Company			
	Site Name			
	47-50 30th Street			
	Street Address			
	Long Island City	Queens	NY	
	City	County	State	Zip Code
	187	115		
	Tax Lot Number	Tax Block Number		
2. CLIENT/CONTACT INFORMATION:	Prestone Printing			
	Company Name			
	Robert J. Adler			
	Contact Name			
	45 Main Street		305	
	Street Address		P.O./Suite Number	
	Brooklyn	NY	11201	
	City	State	Zip Code	
	718-246-9540	718-246-7730		
	Phone Number	Fax Number		
3. OWNER INFORMATION:	Milton Paper Company, Inc.			
	Company Name			
	Contact Name			
	47-50 30th Street			
	Street Address		P.O./Suite Number	
	Long Island City	New York	11101	
	City	State	Zip Code	
	Phone Number	Fax Number		
4. OCCUPANT/SITE MANAGER INFORMATION:	Milton Paper Company			
	Company Name			
	Stephen A. Verp, President			
	Contact Name			
	47-50 30th Street			
	Street Address		P.O./Suite Number	
	Long Island City	New York	11101	
	City	State	Zip Code	
	718-784-5900	718-609-0017		
	Phone Number	Fax Number		

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-00)

SECTION 2 • CHECKLIST

Question	Owner	Occupants (If Applicable)	Observed During Site Visit
1a. Is the *property* used for an industrial use?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
1b. Is any *adjoining property* used for an industrial use?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
2a. Did you observe evidence or do you have any prior knowledge that the *property* has been used for an industrial use in the past?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
2b. Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used for an industrial use in the past?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
3a. Is the *property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
3b. Is any *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
4a. Did you observe evidence or do you have any prior knowledge that the *property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
4b. Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-00)

Question	Owner	Occupants (If Applicable)	Observed During Site Visit
6a. Are there currently any industrial *drums (typically* 55 gal (208L) or sacks of chemicals located on the property or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
6b. Did you observe evidence or do you have any prior knowledge that there have been previously any industrial *drums (typically* 55 gal (208L) or sacks of chemicals located on the property or at the facility?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
7a. Did you observe evidence or do you have any prior knowledge that fill *dirt* has been brought onto the property that originated from a contaminated site?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
7b. Did you observe evidence or do you have any prior knowledge that fill *dirt* has been brought onto the property that is of an unknown origin?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
8a. Are there currently any *pits, ponds, or lagoons* located on the *property* in connection with waste treatment or waste disposal?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any *pits, ponds, or lagoons* located on the *property* in connection with waste treatment or waste disposal?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
9a. Is there currently any stained soil on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
10b. Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
11b. Did you observe evidence or do you have any prior knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on *the property* or adjacent to any structure located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
12a. Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
12b. Did you observe evidence or do you have any prior knowledge that there have been previously any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring drains, walls, ceilings or exposed grounds on the property?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-00)

Question	Owner	Occupants (If Applicable)	Observed During Site Visit
13a. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
13b. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
14. Does the *owner or occupant* of the *property* have any knowledge of *environmental liens* or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
15a. Has the *owner or occupant* of the *property* been informed of the past existence of *hazardous substances or petroleum products* with respect to the *property* or any facility located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
15b. Has the *owner or occupant of the property* been informed of the current existence of *hazardous substances or petroleum products* with respect to the *property* or any facility located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
15c. Has the *owner or occupant* of the *property* been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
15d. Has the *owner or occupant of the property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
16. Does the *owner or occupant* of the *property* have any knowledge of any *environmental site assessment* of the *property* or facility that indicated the presence of *hazardous substances or petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☒ Yes ☐ No ☐ Unknown
17. Does the *owner or occupant* of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance or petroleum products* involving the *property* by any owner or occupant of the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
18a. Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a storm water system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
18b. Does the *property* discharge waste water (not including sanitary waste or stormwater) onto or adjacent to the *property* and/or into a sanitary sewer system?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown
19. Did you observe evidence or do you have any prior knowledge that any *hazardous substances or* petroleum *products,* unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the *property?*	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-00)

Question	Owner	Occupants (If Applicable)	Observed During Site Visit
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown	☐ Yes ☒ No ☐ Unknown

Government Records/Historical Sources Inquiry

21. Do any of the following Federal government record systems list the property or any property within the search distance noted below:	
National Priorities List (NPL) - within 1.0 mile (1.6 km)?	☐ Yes ☒ No
CERCLIS List - within 0.5 mile (0.8 km)?	☐ Yes ☒ No
CERCLIS NFRAP List - property and adjoining properties?	☐ Yes ☒ No
RCRA CORRACTS Facilities - within 1.0 mile (1.6 km)?	☒ Yes ☐ No
RCRA non-CORRACTS TSD Facilities - within 0.5 mile (0.8 km)?	☐ Yes ☒ No
RCRA Generators List - property and adjoining properties?	☒ Yes ☐ No
ERNS List - property only?	☐ Yes ☒ No
22. Do any of the following state record systems list the property or any property within the search distance noted below:	
State lists of hazardous waste sites identified for investigation or remediation:	
List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the state agency equivalent to NPL - within approximately 1.0 mile (1.6 km)?	☒ Yes ☐ No
List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to *CERCLIS* - within 0.5 mile (0.8 km)?	☒ Yes ☐ No
Solid Waste/Landfill Facilities - within 0.5 mile (0.8 km)?	☒ Yes ☐ No
Leaking Underground Storage Tank (LUST) List - within 0.5 mile (0.8 km)?	☒ Yes ☐ No
Registered Underground Storage Tank List - property and adjoining properties?	☐ Yes ☒ No
23. Based upon a review of *fire insurance maps* or consultation with the local fire department serving the *property*, all as specified in the guide, are any buildings or other improvements on the *property* or on an *adjoining property* identified as having been used for an industrial use or uses likely to lead to contamination of the *property*?	☒ Yes ☐ No ☐ Not Applicable

SECTION 3 - COMMENTS/RECOMMENDATIONS

TRANSACTION SCREEN PROCESS QUESTIONNAIRE
(ASTM E1528-00)

SECTION 4 - CERTIFICATION

The preparer of the transaction screen questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name:	Erik Colonna Romano
Title:	Environmental Specialist
Firm:	Whitestone Associates, Inc.
Address:	786 Mountain Boulevard, Suite 200, Watchung, New Jersey 07069
Phone Number:	908.668.7777 ♦ Fax 908.754.5936
Date:	July 21, 2005

If the preparer is different than the user, complete the following:

Name of User:	Prestone Printing
User's Address:	45 Main Street, Suite 305
	Brooklyn, New York 11201
User's Phone Number:	718-246-7509
Preparer's Relationship to Site:	
Preparer's Relationship to User:	Consultant

Copies of the completed questionnaire have been filed at:	Copies of the completed questionnaire have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge that the above statements and facts are true and correct and to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

Signature	Erik Colonna Romano	Date:	7-21-05
Signature		Date:	
Signature		Date:	

WHITESTONE ASSOCIATES, INC.

APPENDIX 7
Inspector Qualifications

CHRISTOPHER SEIB
Environmental Services Manager

EDUCATION:

B.S., **Environmental Science**, Rutgers the State University of New Jersey, Cook College, 1999.

EXPERIENCE:

Mr. Seib is well versed in ISRA compliance having worked with both environmental consultants and NJDEP's Site Remediation Branch. He has performed a significant number of Phase I Environmental Site Assessments and has assisted in the design and implementation of Preliminary Assessment, Remedial Investigation, and Remedial Action projects. Mr. Seib has participated in the remediation of underground storage tanks and is experienced in multimedia sampling for environmental purposes. He also has field supervised ACM and lead surveys in support of numerous Whitestone projects.

ENVIRONMENTAL SERVICES MANAGER • Whitestone Associates, Inc. • Watchung, New Jersey • January 2000 - Present.

Mr. Seib has held a series of progressively responsible positions at Whitestone. He currently oversees a variety of environmental due diligence investigation services including Phase I Environmental Site Assessments, Phase II Site Investigations, and Phase III Remediation Management oversight for Whitestone's client base of industrial and manufacturing companies, engineers, realtors, attorneys, national retail and restaurant chains, private concerns, and public agencies. Mr. Seib is responsible for supervising environmental activities including data collection, assessment, and report generation.

Representative Experience:

- Conducted Phase I Environmental Site Assessments and supervised ACM surveys at multiple proposed and/or existing Commerce Bank sites in New Jersey for a commercial property developer. Prepared reports of findings which included recommendations for further action/investigation and cost estimates for required abatement.

- Participated in large-scale remedial investigation/remedial action project at the Vineland Construction Company Site in Kearny, New Jersey. Oversaw installation of monitoring wells to facilitate soil and groundwater sampling and analyses. Collected multimedia samples, screened soil samples with an OVM, and logged field results.

- Supervised the installation of nine geoprobe borings to facilitate soil and groundwater sampling and analyses at an A&P site in Brooklyn, New York.

- Performed multiple Phase I Environmental Site Assessments for retail, commercial, and industrial properties throughout New Jersey, New York, Connecticut, and Massachusetts.

ASSOCIATE ENVIRONMENTAL SCIENTIST • Killiam Associates, Waste Management Division • Millburn, New Jersey • June 1999 - January 2000.

Mr. Seib performed Phase I Environmental Site Assessments and prepared Remedial Cost Estimates for numerous properties including solid waste and energy businesses in New Jersey, New York, Connecticut,

EXPERIENCE *(Continued)*:

and Massachusetts. He also assisted in the performance of Preliminary Assessments and Site/Remedial Investigations in association with ISRA compliance.

Mr. Seib was directly responsible for identifying areas of environmental concern; designing Sampling and Analyses Plans; implementing Remedial Action Plans; interpreting analytical data; and preparing detailed reports.

REGULATORY COMPLIANCE INTERN • New Jersey Department of Environmental Protection, Division of Responsible Party Site Remediation • Bureau of Field Operations, Northern Office • May - June 1998.

Mr. Seib assisted case managers in the assessment of Site Investigation and Remedial Action Reports. During his internship, Mr. Seib:

- Observed and reviewed soil and water sampling procedures, installation of monitoring wells, and sample analytical results.
- Conducted field inspections and prepared appropriate reports.
- Assured compliance with Department regulations, particularly the Technical Requirements for Site Remediation, N.J.A.C. 7:26E.
- Maintained database and reviewed reports for Homeowner Underground Storage Tank Pilot Program for Hudson and Bergen counties.
- Recommended cases for closure.
- Designed and maintained a regulation variation database.

SPECIAL TRAINING AND CERTIFICATIONS:

- 40 Hour OSHA Health & Safety Training Course for Hazardous Waste Site Activities
- Confined Space Entry OSHA Certification

PROFESSIONAL ASSOCIATIONS:

- Lake Parsippany Property Owners Association: Lake Restoration Committee, Dredging Committee
- Epsilon Chapter of the Delta Phi Fraternity at Rutgers University
  Treasurer, Rutgers Fraternity Council Representative, Rush Chair
  Recipient of the New Brunswick Mayor's Award for Community Service

ERIK COLONNA-ROMANO
Environmental Scientist

EDUCATION:

B.A., **Anthropology** (Related Coursework: Biology; Chemistry; Environmental Anthropology, Geology, and Sociology; Geology), Tulane University, New Orleans, LA, 2003.

EXPERIENCE:

Mr. Colonna-Romano is experienced in multimedia sampling for environmental purposes and has performed a variety due diligence investigations including Phase I Environmental Site Assessments (ESAs) and Phase II Site Investigations (SIs).

ENVIRONMENTAL SCIENTIST • Whitestone Associates, Inc. • Watchung, New Jersey • April 2004 - Present.

Mr. Colanna-Romano performs Phase I Environmental Site Assessments and Phase II Site Investigations for Whitestone's client base of industrial and manufacturing companies, engineers, realtors, attorneys, national retail and restaurant chains, private concerns, and public agencies. He is responsible for reviewing historical property data; conducting site inspections; collecting multimedia samples for laboratory analysis; evaluating and interpreting analytical data; and generating reports for review by Whitestone's senior staff scientists and environmental engineers.

Representative Experience:

- Perform Phase I ESAs and Phase II SIs in accordance with applicable ASTM E1527 and ASTM E1528 Standards for retail, commercial, and industrial properties throughout Whitestone's multi-state service region.

- Supervise the installation of geoprobe boring, monitoring well, and test pits to facilitate the collection of soil and groundwater samples.

STAFF SCIENTIST • Roux Associates • West Deptford, New Jersey • May - September 2003.

As an environmental staff scientist, Mr. Colonna-Romano was responsible for multimedia sample collection; sample management including chain-of-custody; reviewing analytical results; and generating field study reports and analytical data tables for senior staff scientists.

Representative Experience:

- Assisted in drilling groundwater monitoring wells. Operated a variety of pumps to purge water from installed wells. Determined depth to groundwater in wells, obtained water quality measurements (pH, conductivity, percent of dissolved oxygen, etc.), and collected groundwater samples for laboratory analyses.

EXPERIENCE *(Continued)*:

- Collected soil and sediment samples for laboratory analyses and performed field screening with a photoionization detector (PID) for evidence of volatile organic contamination.
- Logged sample collection and analyses activities and maintained project files. Streamlined workflow by effectively reorganizing the company's existing file structure.
- Coordinated sample collection and laboratory analyses to ensure projects remained on schedule.
- Served as a liaison to various state environmental agencies, customers, and management.

SPECIAL TRAINING AND CERTIFICATIONS:

- 40 Hour OSHA Hazardous Waste Operations and Emergency Response Training (HAZWOPER) Certification.

PROFESSIONAL/PERSONAL ACHIEVEMENTS:

- Participated in a city-wide Brownfields study in New Orleans, Louisiana. Study findings were provided to the Mayor's office.
- Designed and delivered training to colleagues, youth, and subordinates.
- Member of Tulane University Green Club.

Attachment B

Limited Phase II ESA
Whitestone Associates Inc., September 2005

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

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SUMMARY REPORT OF FINDINGS

PHASE II SITE INVESTIGATION

EXISTING MILTON PAPER COMPANY
47-50 30th STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

Prepared for:

PRESTONE PRINTING
45 Main Street
Suite 305
Brooklyn, New York 11201

Prepared by:

WHITESTONE ASSOCIATES, INC.
35 Technology Drive
Warren, New Jersey 07059

Whitestone Project #WJ05-8023
September 27, 2005

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

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www.whitestoneassoc.com

September 27, 2005

via Federal Express

PRESTONE PRINTING
45 Main Street
Suite 305
Brooklyn, New York 11201

Attention: Mr. Robert Adler

Regarding: SUMMARY REPORT OF FINDINGS
PHASE II SITE INVESTIGATION
EXISTING MILTON PAPER COMPANY
47-50 30th STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK
WHITESTONE PROJECT NO.: WJ05-8023

Dear Mr. Adler:

Whitestone Associates, Inc. (Whitestone) conducted field activities associated with supplemental environmental due diligence investigation activities at the above-referenced site on August 30, 2005. The limited Phase II Site Investigation (SI) was conducted to assess subsurface conditions at the subject site through the collection and analyses of soil and groundwater samples in the vicinity of an abandoned 3,000 gallon former heating oil underground storage tank (UST), floor drains in the western portion of the site building, and in former hazardous materials storage/handling areas. The discharge points of the floor drains also were evaluated during the SI. A summary of Whitestone's activities, findings, conclusions, and recommendations associated with these efforts is presented in the sections that follow.

1.0 ENVIRONMENTAL CONDITIONS

As documented in Whitestone's August 16, 2005 *Summary Report of Findings - Phase I Environmental Site Assessment* (ESA), the subject site consists of an approximately 54,000 square feet (footprint), single-story building. The site building covers the entire subject property and currently is occupied by Milton Paper Company.

This SI was conducted to further evaluate the recognized environmental conditions (RECs) documented during Whitestone's Phase I ESA. The RECs evaluated during this limited SI are summarized as follows:

- The subject property historically has been operated as a chemical warehouse and shellac company. These operations likely included the on-site storage and/or use of hazardous or potentially hazardous

materials. Discharges of such materials/wastes potentially may have resulted in contamination of soil and/or groundwater at the subject property.

- One 3,000 gallon former fuel oil UST remains abandoned in place under the eastern portion of the site building. No environmental sampling reportedly was conducted during UST closure activities, and releases from this former UST may have impacted subsurface conditions at the subject property.

- Two floor drains were observed in a storage room located in the western portion of the site building. A site sketch provided in the November 17, 2004 Phase I ESA prepared by Lender Consulting Service (LCS) for the subject property identifies this room as "reported explosion room". This room formerly may have been utilized for the mixing and testing of chemicals associated with former site operations conducted by Philip A. Hunt Chemical Corporation.

2.0 SCOPE OF WORK AND LIMITATIONS

The scope of this limited SI included the following tasks:

- conducting an evaluation of the discharge point(s) of floor drains utilizing water dye;

- advancing six borings with Geoprobe equipment to facilitate soil screening and select soil and groundwater sampling;

- logging and screening soils with a photoionization detector (PID) for the potential presence of volatile organic (VO) contamination;

- submitting soil samples collected from select borings for laboratory analyses for volatile organic compounds (VO) and semi-volatile organic compounds (SVO); and

- submitting groundwater samples collected from temporary wellpoints established in select borings for laboratory analyses for VO and SVO;

This SI was not intended to be an exhaustive evaluation of subsurface conditions at the subject property and was prepared for the sole use of Prestone Printing, Stadtmauer Bailkin, L.L.P., Citibank, N.A., New York City Industrial Development Agency, their successors, representatives, and assigns, and should not be relied upon by any third party without Whitestone's written consent.

3.0 FLOOR DRAIN EVALUATION

Whitestone utilized a non-toxic water dye in attempt to determine the discharge points of the floor drains observed in the western portion of the site building. The dyed water was poured through the individual drains while potential outfalls (including the stormwater management system and sanitary sewer system) were monitored for the presence of the dye. The dyed water was not observed at the monitored potential outfalls, and the discharge point(s) of the floor drains could not be determined during this evaluation.

4.0 SAMPLING METHODOLOGY

Two soil borings (SB-1 and SB-2) were advanced in the vicinity of the abandoned 3,000 gallon UST and four soil borings (SB-3 through SB-6) were advanced in the former "explosion room" at the western portion of the building. Two of the borings (SB-3 and SB-4) in this room were advanced adjacent to the floor drains.

The borings were advanced utilizing limited-access Geoprobe equipment subcontracted from Enviroprobe Services, Inc. Soil samples were collected as the borings were advanced. Samples were screened with a PID to identify the presence of VO contamination. Soil samples were collected from select borings from the intervals which exhibited the greatest potential for contamination based upon field screening and visual observations. Sampling equipment was decontaminated between successive uses. Temporary PVC wellpoints were placed in borings SB-1, SB-3 and SB-5 to facilitate the collection of groundwater samples. Soil boring logs are provided as Attachment A, and the site and boring locations are depicted on Figure 1 and Figure 2, respectively.

Six soil samples (8023-SB-1 through 8023-SB-6) were submitted to Integrated Analytical Laboratories, L.L.C. (IAL) of Randolph, New Jersey, a State-certified laboratory (NY Certification #11402), for VO and SVO analyses. Analytical results comprise Attachment B and are summarized in Table 1 (Soil and Groundwater Sampling Summary) and Table 2 (Soil Sampling and Analysis Data Summary). Three groundwater samples (8023-SB-1-GW, 8023-SB-3-GW and 8023-SB-5-GW) were collected and submitted to IAL for VO and SVO analyses. Groundwater analytical results are summarized in Table 3 (Groundwater Sampling and Analysis Data Summary).

5.0 SI RESULTS AND SAMPLING AND ANALYSIS DATA SUMMARY

5.1 Site Lithology

Six borings (SB-1 through SB-6) were completed at the subject site to maximum depths of 20.0 feet below ground surface (fbgs). The subsurface soil conditions encountered in the soil borings consisted of the following generalized strata in order of increasing depth.

Surface Materials: The borings conducted in the former "explosion room" (SB-3 through SB-6) encountered approximately six inches to eight inches of concrete then four inches to six inches of cork and then another four inches to six inches of concrete. Voids were documented below the slab in borings SB-4, SB-5 and SB-6. Borings SB-1 and SB-2 encountered approximately eight inches to 12 inches of concrete (floor slab).

Fill Materials: Fill materials were encountered beneath the surficial materials in each of the borings. The fill materials encountered generally consisted of brownish, grayish and olive colored coarse to fine sand with variable amounts of gravel, silt, clay and debris. The debris encountered in the borings consisted of processed gravel and wood. Each boring penetrated through the fill materials into natural soils at depths ranging from approximately nine fbgs to 12.0 fbgs.

Sand: Beneath the fill materials, the borings encountered natural sands that extended to boring termination depths of 20.0 fbgs. This stratum generally consisted of brownish and olive colored coarse to fine sand with variable amounts of gravel and silt.

Groundwater: Groundwater was encountered during the August 30, 2005 field investigation activities in each of the boring at depths ranging from approximately 10 fbgs to 10.5 fbgs.

A summary of boring installation and sampling data is presented in Table 1, and boring logs are presented in Attachment A.

5.2 Soil Sampling Results

Soil borings SB-1 and SB-2 were advanced in the vicinity the abandoned 3,000 gallon former heating oil UST, borings SB-3 and SB-4 were advanced in the vicinity of the floor drains in the former "explosion room" in the western portion of the site building, and borings SB-5 and SB-6 were advanced throughout the former "explosion room". The analytical results for the soil samples did not document VO constituents at concentrations exceeding laboratory method detection limits (MDLs).

Analytical results for the soil samples documented select SVO constituents at concentrations exceeding laboratory MDLs in four of the six soil samples. Select SVO constituents were also detected at concentrations exceeding New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) in borings SB-4 and SB-6. The SVO concentrations detected in these soil samples only slightly exceed applicable NYSDEC guidance values and are typical of concentrations found in fill material in urban areas. Analytical results comprise Attachment B and are summarized in Table 2 (Soil Sampling and Analyses Data Summary).

5.3 Groundwater Sampling Results

Groundwater samples were collected from temporary wellpoints installed in borings SB-1, SB-3 and SB-5. The VO constituent chloroform was detected at a concentration exceeding the laboratory MDL in the groundwater sample collected from boring SB-5, however, below NYSDEC's Groundwater Standard.

The groundwater samples collected from borings SB-1 through SB-3 documented select SVO constituents at concentrations exceeding laboratory MDLs. SVO constituents were also detected at concentrations exceeding NYSDEC Groundwater Standards in borings SB-1 and SB-3. Analytical results comprise Attachment B and are summarized in Table 3 (Groundwater Sampling and Analyses Data Summary).

6.0 CONCLUSIONS AND RECOMMENDATIONS

Whitestone conducted limited SI activities on August 30, 2005 to evaluate subsurface conditions at the subject property. Conclusions and recommendations pertaining to the limited SI activities are summarized as follows:

- Soil sampling and analysis revealed the presence of select SVO constituents in borings SB-4 and SB-6 at concentrations exceeding NYSDEC RSCOs. The levels encountered generally are indicative of typical concentrations occurring in fill in urban and developed areas.

- Groundwater sampling revealed the presence of select SVO constituents in the samples collected from borings SB-1 and SB-3 at concentrations exceeding NYSDEC Groundwater Standards.

- The identified soil and groundwater exceedances of NYSDEC guidelines represent a condition that typically will not warrant further action assuming subsurface soils and groundwater will not be disturbed for site redevelopment. These exceedances should be reported to the NYSDEC, and the current results suggest that the fill conditions likely can be addressed by existing engineering controls (current building slab) or, possibly, institutional controls such as a deed restriction.

- Whitestone could not determine the discharge point(s) of the two floor drains observed in the western portion of the site building. These floor drains should be cleaned and grouted/sealed if not intended for future use. If documented in the future, the discharge point(s) should be evaluated to determine the potential for impacts to subsurface conditions.

Hopefully, this information will be helpful for site planning purposes. Please do not hesitate to contact us at (908) 668-7777 with any questions regarding these matters.

Sincerely,

WHITESTONE ASSOCIATES, INC.

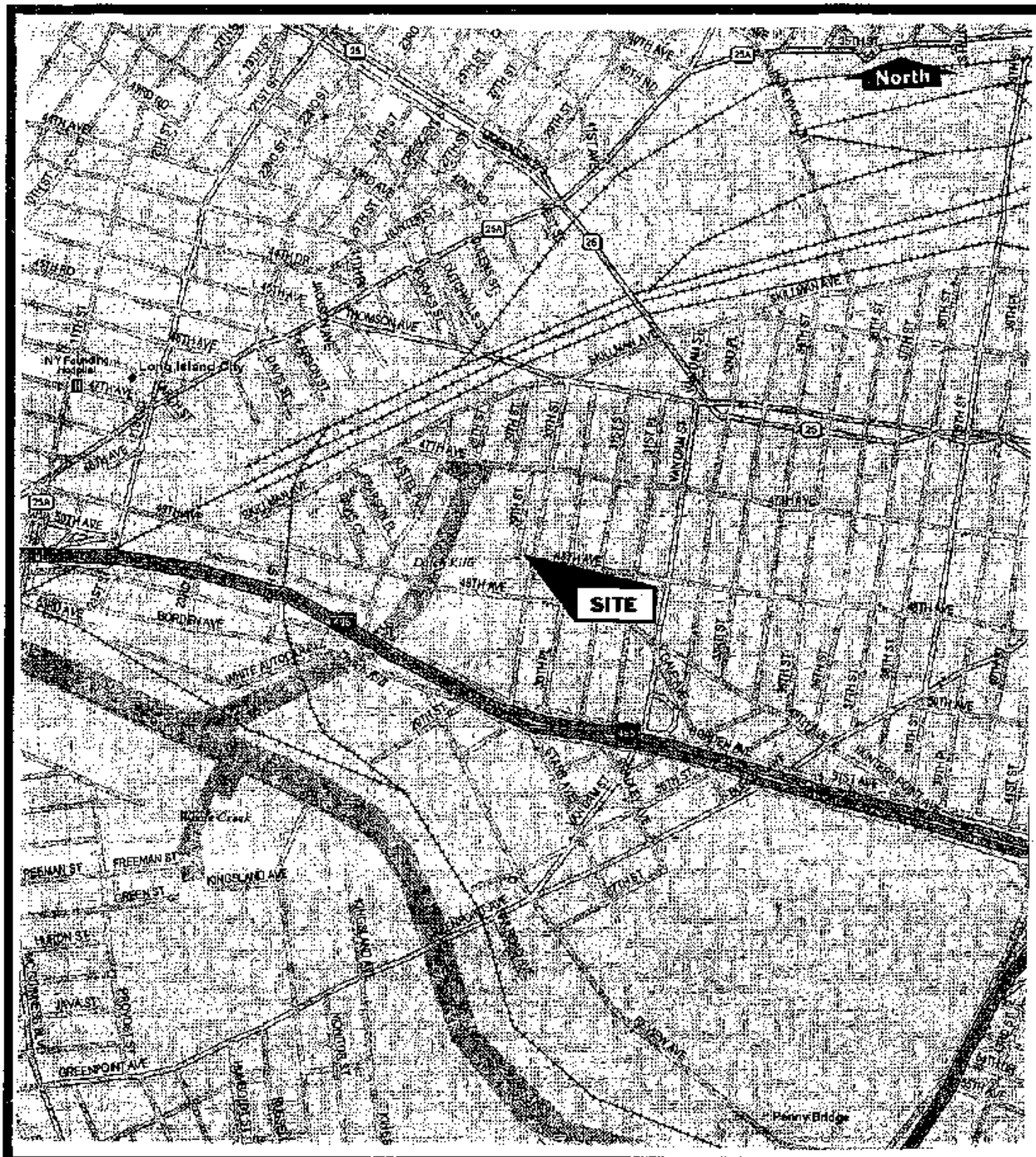
Christopher Seib
Environmental Services Manager

Glennon C. Graham, P.G.
Professional Geologist

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Enclosures
Copy: Steven Polivy, Esq., Stadtmauer Bailkin, L.L.P.

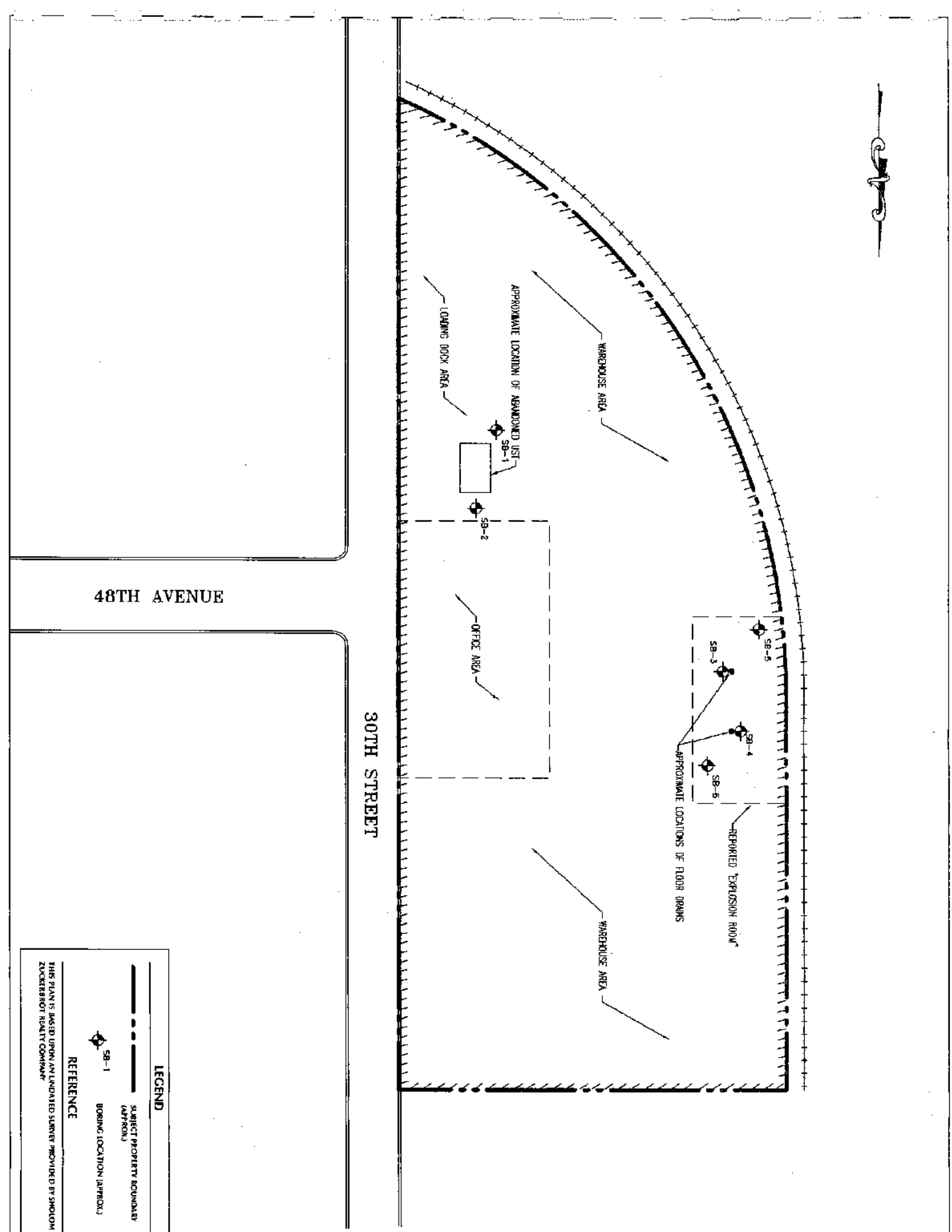
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FIGURE 1
Site Location Map



TITLE:	**Site Location Map**						
CLIENT:	PRESTONE PRINTING						
PROJECT:	Phase II Site Investigation Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	PROJECT #: WI05-8023	BY: DeLorme	PROJ. MGR.: CS	DATE: 9/21/05	SCALE: 1" = 1,060'	FIGURE: 1

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
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TITLE:

BORING LOCATION PLAN

CLIENT: PRESTONE PRINTING

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
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PROJECT: PHASE II SITE INVESTIGATION
EXISTING MILTON PAPER COMPANY
47-50 30TH STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
WJ05-8023	MS	CS	8/10/05	N.T.S.	2

WHITESTONE ASSOCIATES, INC.

FIGURE 2
Boring Location Plan

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TABLE 1
Soil and Groundwater Sampling Summary

TABLE 1
SOIL AND GROUNDWATER SAMPLING SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Boring Number	Sample Depths (fbgs)	Total Depth (fbgs)	GW Depth (fbgs)	Maximum PID Reading (ppm)
SB-1	9.5 to 10.0	20.0	10.0	0.0
SB-2	10.0 to 10.5	20.0	10.5	0.0
SB-3	2.5 to 3.0	20.0	10.0	0.0
SB-4	3.5 to 4.0	20.0	10.0	0.0
SB-5	3.5 to 4.0	20.0	10.0	0.0
SB-6	2.5 to 3.0	20.0	10.0	0.0

NOTES:

PID	Photoionization Detector
GW	Groundwater
fbgs	feet below ground surface
ppm	parts per million

WHITESTONE ASSOCIATES, INC.

TABLE 2
Soil Sampling and Analysis Data Summary

TABLE 2
SOIL SAMPLING AND ANALYSIS DATA SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Sample Number	Analytical Parameters	VO Detected Above MDLs (ppm)	SVO Detected Above MDLs (ppm)
8023-SB-1	VO, SVO	ND	phenanthrene = 0.287 (50) flouranthene = 0.234 (8.1) pyrene = 0.169 (50)
8023-SB-2	VO, SVO	ND	flouranthene = 0.185 J (50) pyrene = 0.154 J (50) benzo[a]anthracene = 0.132 J (0.224)
8023-SB-3	VO, SVO	ND	ND
8023-SB-4	VO, SVO	ND	phenanthrene = 0.634 (50) anthracene = 0.134 J (50) di-n-butylphtbalate = 0.175 J (8.1) fluoranthene = 1.96 (50) pyrene = 2.01 (50) **benzo[a]anthracene = 1.19 (0.224)** **chrysene = 1.64 (0.4)** **benzo[b]flouranthene = 1.21 (1.1)** **benzo[k]flouranthene = 1.21 (1.1)** **benzo[a]pyrene = 1.29 (0.061)** indeno[1,2,3-cd]pyrene = 0.858 (3.2) **dibenz[a,h]anthracene = 0.396 (0.014)** benzo[g,h,i]perylene = 1.05 (50)
8023-SB-5	VO, SVO	ND	ND
8023-SB-6	VO, SVO	ND	phenanthrene = 0.674 (50) anthracene = 0.309 (50) fluoranthene = 4.01 (50) pyrene = 10.0 (50) **benzo[a]anthracene = 11.3 (0.224)** **chrysene = 16.4 (0.4)** **benzo[b]flouranthene = 6.70 (1.1)** **benzo[k]flouranthene = 6.10 (1.1)** **benzo[a]pyrene = 11.7 (0.061)** **indeno[1,2,3-cd]pyrene = 5.12 (3.2)** **dibenz[a,h]anthracene = 3.57 (0.014)** benzo[g,h,i]perylene = 6.41 (50)

NOTES:

VO	Volatile Organic Compounds
SVO	Semi-Volatile Organic Compounds
MDLs	Laboratory Method Detection Limits
ppm	parts per million
ND	Not Detected exceeding laboratory MDLs
( )	NYSDEC Recommended Soil Cleanup Objective shown in parenthesis
BOLD	Exceeds NYSDEC Recommended Soil Cleanup Objective
J	Detected at concentration below the MDL

WHITESTONE ASSOCIATES, INC.

TABLE 3
Groundwater Sampling and Analysis Data Summary

TABLE 3
GROUNDWATER SAMPLING AND ANALYSIS DATA SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Sample Number	Analytical Parameters	VO Detected Above MDLs (ppb)	SVO Detected Above MDLs (ppb)
8023-SB-1-GW	VO, SVO	ND	naphthalene = 1.29 (10) 2-methylnaphthalene = 0.419 (50) acenaphthene = 8.22 (20) dibenzofuran = 2.67 (5) fluorene = 8.20 (50) phenanthrene = 12.9 (50) anthracene = 2.96 (50) carbazole = 0.960 (NS) fluoranthene = 1.77 (50) pyrene = 1.26 (50) **benzo[a]anthracene = 0.265 (0.002)** **chrysene = 0.168 (0.002)**
8023-SB-3-GW	VO, SVO	ND	naphthalene = 0.586 (10) 2-methylnaphthalene = 0.576 (50) acenaphthene = 6.04 (20) dibenzofuran = 0.281 (5) fluorene = 3.04 (50) phenanthrene = 4.20 (50) anthracene = 0.815 (50) fluoranthene = 0.540 (50) pyrene = 0.410 (50)
8023-SB-5-GW	VO, SVO	chloroform = 0.618 (7.0)	naphthalene = 1.13 (10) 2-methylnaphthalene = 0.365 (50) acenaphthene = 7.22 (20) dibenzofuran = 2.25 (5) fluorene = 7.47 (50) phenanthrene = 10.8 (50) anthracene = 2.20 (50) carbazole = 0.764 (NS) fluoranthene = 1.39 (50) pyrene = 0.985 (50) **benzo[a]anthracene = 0.198 (0.002)**

NOTES:

VO	Volatile Organic Compounds
SVO	Semi-Volatile Organic Compounds
ppb	parts per billion
MDLs	Laboratory Method Detection Limits
ND	Not Detected exceeding laboratory MDLs
NS	Not established Groundwater Standard for this compound
( )	NYSDEC Groundwater Standard shown in parenthesis
BOLD	Exceeds NYSDEC Groundwater Standard

WHITESTONE ASSOCIATES, INC.

ATTACHMENT A
Boring Logs

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-1

Project:	Existing Milton Paper Company	WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY	Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05
Drilling Method:	Geoprobe	Logged By:	G. Graham
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.
		Machine:	Dingo

Water Depths / Elevations (feet / feet-msl)

While Drilling:	10.0	▼
At Completion:	10.0	▽
24 Hours:	NA	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 12" Concrete 12" - 26" Brown Fine Sand 26" - 36" Brown Fine to Coarse Sand and Coarse to Medium Gravel, Trace Silt	0.0	36	0.0
5.0		0" - 8" Same As Above 8" - 29" Brown Fine to Coarse Sand and Small Gravel 29" - 48" Brown Fine to Coarse Sand	0.0	48	5.0
10.0	▼	0" - 26" Same As Above, Moist 26" - 32" Gray Fine to Coarse Sand, Some Silt, Wet 32" - 48" Gray to Black Fine to Coarse Sand, Some Silt, Wet	0.0	48	10.0
15.0		0" - 48" Same As Above	0.0	48	15.0
20.0		0" - 48" Same As Above	0.0	48	20.0
25.0		Boring SB-1 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-1 Collected @ 9.5 fbgs to 10.0 fbgs @ 1515 Groundwater Sample Collected @ 1530			25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-2

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.5 ▼
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.5 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 8" Concrete 8" - 22" Brown Fine to Coarse Sand 22" - 39" Brown Fine to Coarse Sand, Some Small to Medium Gravel, Trace Silt	0.0	39	0.0
5.0		0" - 12" Same As Above 12" - 31" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 31" - 42" Brown Fine to Coarse Sand	0.0	42	5.0
10.0		0" - 13" Same As Above 13" - 29" Gray Fine to Coarse Sand, Some Silt, Moist 29" - 42" Gray to Brown Fine to Coarse Sand, Some Silt, Wet	0.0	42	10.0
15.0		0" - 36" Same As Above	0.0	36	15.0
		0" - 41" Same As Above	0.0	41	
20.0		Boring SB-2 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-2 Collected @ 10.0 fbgs to 10.5 fbgs @ 1545			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-3

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 8" Concrete 8" - 12" Cork 12" - 18" Concrete 18" - 36" Brown Fine to Coarse Sand, Trace Silt	0.0	36	0.0
5.0		0" - 27" Brown Fine to Coarse Sand, Some Coarse to Medium Gravel, Trace Silt 27" - 39" Brown Fine to Coarse Sand	0.0	39	5.0
10.0 ▽		0" - 18" Same As Above 18" - 47" Gray-Brown Fine to Coarse Sand, Some Silt, Trace Small Gravel, Wet	0.0	47	10.0
15.0		0" - 43" Same As Above	0.0	43	15.0
		0" - 46" Same As Above	0.0	46	
20.0		Boring SB-3 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-3 Collected @ 2.5 fbgs to 3.0 fbgs @ 1600 Groundwater Sample Collected @ 1605			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-4

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 12" Cork 12" - 18" Concrete 18" - 27" Void 27" - 48" Brown Fine to Coarse Sand, Some Small to Medium Gravel	0.0	48	0.0
5.0		0" - 12" Same As Above 12" - 31" Brown Fine to Coarse Sand, Some Small to Medium Gravel, Trace Silt 31" - 38" Brown Fine to Coarse Sand, Trace Silt	0.0	38	5.0
10.0		0" - 18" Same As Above 18" - 27" Brown Fine to Coarse Sand, Some Small to Medium Gravel	0.0	27	10.0
15.0		0" - 8" Same As Above 8" - 39" Gray-Brown Fine to Coarse Sand, Some Silt, Trace Small Gravel, Wet	0.0	39	15.0
		0" - 41" Same As Above	0.0	41	
20.0		Boring SB-4 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-4 Collected @ 3.5 fbgs to 4.0 fbgs @ 1615			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-5

Project:	Existing Milton Paper Company	WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY	Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05
Drilling Method:	Geoprobe	Logged By:	G. Graham
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.
		Machine:	Dingo

Water Depths / Elevations (feet / feet-msl)

While Drilling:	10.0	▼
At Completion:	10.0	▽
24 Hours:	NA	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 10" Cork 10" - 14" Concrete 14" - 31" Void 31" - 48" Brown Fine to Coarse Sand	0.0	48	0.0
5.0		0" - 10" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 10" - 36" Brown Fine to Coarse Sand	0.0	36	5.0
10.0		0" - 22" Same As Above, Moist 22" - 42" Gray to Brown Fine to Coarse Sand, Some Silt, Wet	0.0	42	10.0
15.0		0" - 39" Same As Above	0.0	39	15.0
		0" - 45" Same As Above	0.0	45	
20.0		Boring SB-5 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-5 Collected @ 3.5 fbgs to 4.0 fbgs @ 1625 Groundwater Sample Collected @ 1630			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-6

(Page 1 of 1)

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 12" Cork 12" - 18" Concrete 18" - 27" Void 27" - 38" Brown Fine to Coarse Sand, Trace Small Gravel, Trace Silt	0.0	38	0.0
5.0		0" - 18" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 18" - 27" Brown Fine to Coarse Sand	0.0	27	5.0
10.0		0" - 27" Same As Above, Moist 27" - 39" Brown to Gray Fine to Coarse Sand, Some Silt, Wet	0.0	39	10.0
15.0		0" - 47" Same As Above	0.0	47	15.0
20.0		0" - 42" Same As Above Boring SB-6 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-6 Collected @ 2.5 fbgs to 3.0 fbgs @ 1645	0.0	42	20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

ATTACHMENT B
Analytical Data Summary Sheets

SUMMARY REPORT
Client: Whitestone Associates Inc.
Project: LONG ISLAND CITY
Lab Case No.: E05-09123

Lab ID:	09123-002			09123-005			09123-008		
Client ID:	8023-SB-1-GW			8023-SB-3-GW			8023-SB-5-GW		
Matrix:	Aqueous			Aqueous			Aqueous		
Sampled Date	8/30/05			8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (µg/L-ppb)									
Chloroform	ND		0.260	ND		0.260	0.618		0.260
TOTAL VO's:	ND			ND			0.618		
Semivolatiles - BN (µg/L-ppb)									
Naphthalene	1.29		0.110	0.586		0.110	1.13		0.110
2-Methylnaphthalene	0.419		0.140	0.576		0.140	0.365		0.140
Acenaphthene	8.22		0.170	6.04		0.170	7.22		0.170
Dibenzofuran	2.67		0.120	0.281		0.120	2.25		0.120
Fluorene	8.20		0.180	3.04		0.180	7.47		0.180
Phenanthrene	12.9		0.110	4.20		0.110	10.8		0.110
Anthracene	2.96		0.140	0.815		0.140	2.20		0.140
Carbazole	0.960		0.170	ND		0.170	0.764		0.170
Fluoranthene	1.77		0.190	0.540		0.190	1.39		0.190
Pyrene	1.26		0.140	0.410		0.140	0.985		0.140
Benzo[a]anthracene	0.265		0.150	ND		0.150	0.198		0.150
Chrysene	0.168		0.140	ND		0.140	ND		0.140
TOTAL BN'S:	41.1			16.5			34.8		

ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT

Client: Whitestone Associates Inc.
Project: LONG ISLAND CITY
Lab Case No.: E05-09123

Lab ID:	09123-001			09123-003			09123-004			09123-006		
Client ID:	8023-SB-1			8023-SB-2			8023-SB-3			8023-SB-4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	8/30/05			8/30/05			8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
TOTAL VO's:	ND			ND			ND			ND		
Semivolatiles - BN (mg/Kg-ppm)												
Phenanthrene	0.287		0.260	ND		0.201	ND		0.252	0.634		0.211
Anthracene	ND		0.260	ND		0.201	ND		0.252	0.134	J	0.211
Di-n-butylphthalate	ND		0.260	ND		0.201	ND		0.252	0.175	J	0.211
Fluoranthene	0.234	J	0.260	0.185	J	0.201	ND		0.252	1.96		0.211
Pyrene	0.169	J	0.260	0.154	J	0.201	ND		0.252	2.01		0.211
Benzo[a]anthracene	ND		0.260	0.132	J	0.201	ND		0.252	1.19		0.211
Chrysene	ND		0.260	ND		0.201	ND		0.252	1.64		0.211
Benzo[b]fluoranthene	ND		0.260	ND		0.201	ND		0.252	1.21		0.211
Benzo[k]fluoranthene	ND		0.260	ND		0.201	ND		0.252	1.21		0.211
Benzo[a]pyrene	ND		0.260	ND		0.201	ND		0.252	1.29		0.211
Indeno[1,2,3-cd]pyrene	ND		0.260	ND		0.201	ND		0.252	0.858		0.211
Dibenz[a,h]anthracene	ND		0.260	ND		0.201	ND		0.252	0.396		0.211
Benzo[g,h,i]perylene	ND		0.260	ND		0.201	ND		0.252	1.05		0.211
TOTAL BN'S:	0.690	J		0.471	J		ND			13.8	J	

Lab ID:	09123-007			09123-009		
Client ID:	8023-SB-5			8023-SB-6		
Matrix:	Soil			Soil		
Sampled Date	8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)						
TOTAL VO's:	ND			ND		
Semivolatiles - BN (mg/Kg-ppm)						
Phenanthrene	ND		0.234	0.674		0.208
Anthracene	ND		0.234	0.309		0.208
Fluoranthene	ND		0.234	4.01		0.208
Pyrene	ND		0.234	10.0		0.208
Benzo[a]anthracene	ND		0.234	11.3		0.208
Chrysene	ND		0.234	16.4		0.208
Benzo[b]fluoranthene	ND		0.234	6.70		0.208
Benzo[k]fluoranthene	ND		0.234	6.10		0.208
Benzo[a]pyrene	ND		0.234	11.7		0.208
Indeno[1,2,3-cd]pyrene	ND		0.234	5.12		0.208
Dibenz[a,h]anthracene	ND		0.234	3.57		0.208
Benzo[g,h,i]perylene	ND		0.234	6.41		0.208
TOTAL BN'S:	ND			82.3		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL

Attachment C

Limited Soil and Soil Vapor Intrusion (SVI) investigation
Preferred Environmental Services, April 2018

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566 Tel: (516) 546-1100 Fax : (516) 213-8156

April 23, 2018

Mr. Ira Wechsler
Prestone Printing Co., Inc.

Re: **Limited Soil Vapor Intrusion & Soil Sampling Summary Report**
Prestone Printing Co., Inc.
4750 30th Street, Long Island City, New York

Dear Mr. Wechsler:

This report summarize the findings of the Limited Soil Vapor Intrusion (SVI) and Soil Sampling Study conducted by Preferred Environmental Services (Preferred) on April 2 & 3, 2018, at the commercial property located at 4750 30th Street, Long Island City, New York (Subject Property) (**Figures 1 -3**). This Study was performed in order to evaluate Sub-Slab Soil Vapor and indoor air quality at the Subject Property. The SVI portion of the investigatory work was conducted in accordance with the requirements set forth in the October 2006 New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York.*

Site Description and Background

The Subject Property is currently improved with a one-story commercial building (offices and warehouse). The current occupant is a printing press, Prestone Printing Co., Inc. (Prestone). The building had previously been occupied by the Milton Paper Company, and prior to that was occupied a chemical warehouse and shellac company (Philip A. Hunt Chemical Corporation).

A Phase I Environmental Site Assessment (ESA) was completed by Whitestone Associates Inc. (Whitestone) in August 2005, which identified several Recognized Environmental Concerns (RECs). One such REC was the presence of an out-of-service (OOS) empty 3,000-gallon fuel oil Underground Storage Tank (UST) in the southern portion of the Subject Property. An additional REC was the identified presence of a former dry-cleaner situated adjacent to the Subject Property to the north. Based upon the results of this Phase I ESA, a Limited Phase II ESA was completed by Whitestone in September 2005 (**Attachment A**), which included the installation of six (6) soil borings (**Figure 4**); two (2) adjacent to the OOS UST, and four (4) in a storage room which was identified in a prior Phase I ESA.

The issue of former UST is being addressed by PAL Environmental Services. Preferred was engaged to perform a Limited SVI Study to assess subsurface soil vapor conditions relative to the REC posed by the former drycleaners' situated adjacent and to the north of the Subject Property, detailed below.

Soil Vapor Intrusion (SVI) Study - April 2 & 3, 2018

Preferred conducted a limited SVI Study on April 2 and 3, 2018. The SVI Study included the collection of one (1) sub-slab soil vapor sample (SSV-1), one (1) indoor air sample (IA-1) and one (1) proximate soil sample (SB-1 at 1.5-2 feet bgs). Sample locations are depicted on **Figure 4**.

The sub-slab soil vapor sample was collected from a temporary soil vapor probe. In order to install the temporary vapor probe, Preferred cored through the concrete slab utilizing an electric powered rotary hammer drill to create a small diameter borehole, within which the vapor probe was installed. The temporary vapor probe was constructed of 3/8th-inch diameter food-grade polyethylene tubing installed two (2) -inches below

the concrete slab. The area surrounding the tubing at the point where it entered the concrete slab was sealed with hydrated bentonite to create an air-tight seal.

SSV-1 and IA-1 were collected from within the northern portion of the building which is utilized as a storage warehouse and process area for the printing press. A separate core apparatus was used to install a boring via a manually operated stainless steel hand auger for the collection of a soil sample. Soil boring (SB-1) was also installed within the northwestern portion of the building within the aforementioned warehouse and process area.

Prior to sampling, an NYSDOH Indoor Air Sampling Questionnaire and Inventory form (see Attachment B) was completed by Preferred's sampling personnel. It should be noted that no chemicals were observed to be stored on-site, however, it is known that cleaning solvents are used on most printing presses.

The SVI Sampling was conducted in accordance with the requirements set forth in the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion. The annular space within the sub-slab vapor implant tubing was purged a minimum of one to three volumes of soil gas using a personal sampling pump. During purging and sampling, the flow rate did not exceed 0.2 liters per minute. A pre-set regulator and dedicated summa canister was used to procure each sub-slab or soil vapor sample. The regulator was set to collect the indoor sub-slab sample over a 24-hour period and ensured a flow rate less than 0.2 liters per minute. Sufficient volume was collected to achieve the detection limits required to evaluate the data relative to the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion.

In addition, a helium tracer gas was introduced into the annular space between the SSV tubing and a sealed enclosure (in the form of a 5-gallon plastic bucket, sealed with hydrated bentonite) to confirm the seal between the SSV tubing and the slab floor. A helium detector was utilized to screen for the presence of helium in the sample tubing during collection. No helium was reported as detected. After collection, the SSV sample location was field screened with a Photoionization Detector (PID) to provide real time data; this information was recorded in the Soil Vapor Sample Log Sheet (see **Attachment B**).

Upon completion of the sample collection, the summa canisters were transported under strict chain-of-custody to an NYSDOH-ELAP certified laboratory (York Analytical Laboratories) for Volatile Organic Compound (VOC) analysis by EPA Method TO-15 low level methodology.

The Indoor Air (IA) Sample was also collected utilizing a pre-set air flow regulator and dedicated summa canister under appropriate vacuum. The canister associated with the sample was set at a height of 3 to 5 feet above relative grade surface elevation as to obtain a sample within the representative breathing zone. The IA sample was collected from a location proximate to the sub-slab soil vapor sample (see attached **Figure 4**). The regulator for the IA sample was set to collect the sample over a 24-hour period and calibrated to ensure a flow rate less than 0.2 liters per minute. As with the sub-slab vapor sample, sufficient volume was collected to achieve the detection limits required to evaluate the data relative to the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion.

During sampling activities a sample log sheet was completed for each sample summarizing the following:

a. sample identification,
b. date and time of sample collection,
c. sampling depth/height,
d. identity of samplers,
e. sampling methods and devices,
f. purge volumes,
g. volume of soil vapor extracted,
h. if canisters used, the vacuum before and after samples collected,
I. apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and
j. chain of custody protocols and records used to track samples from sampling point to analysis.

The SSV and IA samples were both submitted for laboratory analysis for VOCs by EPA Method TO-15 low level methodology. The summa canisters were transported under strict chain-of-custody to an NYSDOH-ELAP certified laboratory (York Analytical Laboratories). Laboratory data summary sheets are included as **Attachment C**.

Soil Vapor Intrusion Sample Analytical Testing Results

Although there are no standards or guidance values to evaluate the reported concentrations of VOCs in sub-slab vapor or outdoor air samples, the NYSDOH has established Indoor Air Guidance Values for three (3) non-aromatic compounds, tetrachloroethylene (PCE) at 30 ug/m^3, trichloroethylene (TCE) at 2 ug/m^3, and methylene chloride at 60 ug/m^3. Additionally, a total of seven (7) related VOCs (vinyl chloride (Matrix C), carbon tertachloride, trichloroethylene, 1,1-dichloroethene, and cis-1,2-Dichloroethene (Matrix A); and methylene chloride, 1,1,1 Trichloroethane (TCA) and Tetrachloroethylene (PCE) (Matrix B) have guidance values associated with the NYSDOH Soil Vapor/Indoor Air Decision Matrices, as established in the supplemental NYSDOH correspondence dated June 25, 2007 and updated May 2017.

These matrices were developed by the NYSDOH to allow for decision-making relative to actions required to be undertaken with respect to intrusion from sub-slab soil vapors into the interior of buildings. In addition to these select Air Guidance Values, the results of the laboratory analysis were also compared to NYSDOH recommended immediate action levels established in a correspondence dated August and September 2015. Finally, the analytical results were also compared to the Summary of Indoor and Outdoor Levels of VOCs from Fuel Oil Heated Homes in New York State 1997 to 2003 (unpublished NYSDOH, Bureau of Toxic Substances Assessment) as shown on **Table 1** relative to aromatic (petroleum-related) compounds (benzene, toluene, ethylbenzene and xylenes (BTEX).

As indicated in **Table 1**, several petroleum-related VOCs (e.g., 2-Butanone, 1,24-Trimethylbenzene, m/p-Xylene, etc.) were detected in the sub-slab soil vapor and indoor air samples. In addition to the petroleum-related VOCs, other chlorinated-solvent VOCs (e.g., cis-1,2-Dichloroethylene (DCE), PCE, TCE) were detected at elevated concentrations in the soil vapor sample (SSV-1) and/or the indoor air sample (IA-1). Generally, with respect to the potential for vapor intrusion, the NYSDOH considers the most significant VOCs to be these chlorinated solvent compounds (Carbon Tetrachloride, PCE and TCE).

1,2,4-Trimethylbenzene was detected at elevated concentrations (550 ug/m3 and 1,300 ug/m3) in both sub-soil vapor and indoor air samples, respectively. In addition, acetone was also detected at elevated concentrations (between 220 ug/m3 and 390 ug/m3) in both samples. Other compounds were present such as chloroform and cyclohexane but no specific standards or guidance values are available relative to same. The use of these chemicals during normal business operation is likely the source of that detected in the indoor air samples.

Of most significance is that the analysis of the sub-slab soil vapor and indoor air samples reported PCE concentrations of 17,000 ug/m^3 in SSV-1, and 1,700 ug/m^3 in IA-1, respectively. TCE (a breakdown product of PCE) was also reported at a concentration of 98 ug/m^3 in SSV-1, and 15 ug/m^3 in IA-1, respectively. These two (2) compounds were present in the indoor air at concentrations in exceedance of the NYSDOH Immediate (PCE) or Guidance Value specific to indoor air (TCE). Further, it was confirmed that both of these compounds were present in the sub-slab soil vapor samples as well and reported at elevated concentrations.

Evaluation of Air Analytical Results

The concentrations of PCE and TCE, in the sub-slab soil vapor and IA samples were compared to the three (3) available NYSDOH Soil Vapor/Indoor Air Matrices A, B and C (**Attachment C)** included in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. These matrices were developed by the NYSDOH to allow for decision-making relative to actions required to be undertaken with respect to vapor intrusion from sub-slab soil vapors into the interior of buildings.

Based upon the reported concentrations of PCE (17,000 ug/m^3) within the SSV-1 sample, compared to the indoor air concentrations of 1,700 ug/m^3 in the IA-1 sample, review of the NYSDOH Soil Vapor/Indoor Air Matrix B indicates that the NYSDOH recommends that "Mitigation", be performed Further, the concentrations of PCE (1,700 ug/m^3) in indoor air is elevated above its associated NYSDOH recommended guidance value of 30 ug/m^3,and immediate action level of 300 ug/m^3.

Based upon the reported concentrations of TCE (98 ug/m^3) within the SSV-1 sample, compared to the indoor air concentrations of 15 ug/m^3 in the IA-1 sample, review of the NYSDOH Soil Vapor/Indoor Air Matrix A indicates that the NYSDOH again recommends "Mitigation" be performed. Although this concentration of TCE is above its associated NYSDOH Recommended Air Guidance Value of 2 ug/m^3, it is below the NYSDOH recommended immediate action level of 20 ug/m^3.

Based upon the reported concentrations of Carbon Tetrachloride (0.52 ug/m^3) within the SSV-1 sample, compared to the indoor air concentrations of 0.27 ug/m^3 in the IA-1 sample, review of the NYSDOH Soil Vapor/Indoor Air Matrix A indicates that the NYSDOH recommends "No Further Action." Similarly, the reported concentrations of Cis-1,2 DCE (5 ug/m^3) and Methylene Chloride (25 ug/m^3) within the SSV-1 sample, compared to the indoor air concentrations, the NYSDOH Matrixes also recommends "No Further Action."

It should be noted that the Subject Property currently operates as a commercial printing facility and although

active chemical use and/or storage was not observed during the conduct of this investigation, it is understood that printing-related chemicals are utilized within the premises. As the use of printing-related chemicals is common within the premises as part of site operations, detected concentrations of PCE and TCE in the indoor air within the commercial facility (IA-1) should also be compared to applicable OSHA Permissible Exposure Limits (PELs), of 200,00 parts per billion (ppb) for each compound.

Soil Boring and Soil Sample Analytical Results

One (1) soil boring (SB-1) was installed within the northwest corner of the building to assess the quality of soils underlying the concrete slab. A two-inch diameter coring drill was previously utilized to core through the concrete slab, and a manually operated stainless steel hand auger was utilized to advance the soil boring to a terminal depth of two (2) feet below grade surface (bgs), at which point refusal was encountered. Soils encountered within soil boring SB-1 consisted generally of gray to black medium-grained sand mixed with gravel. Soils within boring SB-1 were continuously logged and field screened for field evidence of environmental impacts (e.g., visual and olfactory evidence, along with screening for the presence of VOCs utilizing a PID). Groundwater was not encountered within the SB-1 borehole.

Field screening of soils within SB-1 noted very limited field evidence of environmental impacts (e.g., odors and staining, PID responses up to 10.5 Parts Per Million (PPM) Response Units (RUs)) noted starting just below the concrete slab, and extending to the terminal depth of the soil boring. One (1) soil sample (SB-1 at 1.5-2 feet bgs) was collected and submitted for laboratory analysis for VOCs by EPA Method 8260. The soil sample was transported under strict chain-of-custody to an NYSDOH-ELAP certified laboratory (York Analytical Laboratories). Laboratory data summary sheets are included as **Attachment C**.

The soil sample analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Soil Cleanup Objectives (SCOs), specifically the Commercial and Industrial Use SCOs, as summarized in the attached **Table 2**. Three (3) VOCs were reported above their associated laboratory Method Detection Limits (MDLs) in sample SB-1 (1.5-2 feet bgs), including 1,2,4-Trimethylbenzene at 3.6 µg/kg, Acetone at 77 µg/kg, and PCE at 100 µg/kg; none of which were reported at concentrations exceeding their associated Commercial or Industrial Use SCOs.

Summary and Conclusions

A limited Soil Vapor Intrusion Study was conducted on April 2 & 3, 2018, at the Prestone Printing Company located at 4750 30th Street, Long Island City, New York. A total of one (1) sub-slab soil vapor sample was collected, along with one (1) indoor air (IA) sample and one (1) soil sample. The analytical results of the two (2) samples were compared to the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion. The analytical results of the one (1) soil sample were compared to the NYSDEC Part 375 SCOs.

Upon comparison of the results of the laboratory analysis of the SSV and IA sample to the NYSDOH Soil Vapor/Indoor Air Matrices 1 and 2 it was determined that NYSDOH's recommends mitigation of these concentrations due to exceedances of the NYSDOH "Immediate Action Level", specific to indoor air due to PCE. The concentrations of TCE (15 ug/m^3) in indoor air is well above its associated NYSDOH Recommended Air Guidance Value of 2 ug/m^3, but below the NYSDOH recommended Immediate Action

Level of 20 ug/m^3. However, the elevated concentrations of PCE dictate the need for mitigation, in this instance.

The NYSDOH defines the need for mitigation as: *minimizing current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.*

Based upon the comparison of the soil sample (SB-1 at 1.5-2 feet bgs) results to the NYSDEC Part 375 SCOs for Commercial and Industrial Use, no VOCs were reported at concentrations exceeding their applicable SCOs. Therefore, based upon this one (1) soil sample, which represents a very limited soil investigation as part of the SVI, no specific findings could be made relative to VOC-impacts in or to soil.

Summary and Conclusions

The conduct of a limited Soil Vapor Intrusion Study at the Subject Property confirms that soil vapor intrusion of PCE and related breakdown chemicals appears to be occurring relative to the abutting property to the north, known to be operated as a dry-cleaner. Some of the chemical identified in indoor air are likely associated with the use of working quantities of cleaning chemicals.

However, based upon the concentrations of PCE identified in both indoor air and soil vapor, the NYSDOH regulatory indicates that immediate mitigation is recommended to be performed within the area tested. Based upon the limited nature of this investigation (only one (1) sub-slab and one (1) indoor air sample collected for laboratory analysis), prior to making any remedial/mitigation decisions, Preferred recommends that additional testing be conducted.

The notification requirements for occupants and tenants should be implemented by Preston until mitigation is completed. Preferred recommends that this report be submitted to the New York State Department of Environmental Conservation (NYSDEC) for their review and assistance in obtaining relief from the vapor intrusion that is occurring that may be attributed to the off-site property to the north. .

As always, please feel free to contact me with any questions or comments.

Sincerely,
PREFERRED ENVIRONMENTAL SERVICES

Jill S. Haimson

Jill S. Haimson, NYS P.G. #000075
President
Enc.

FIGURES

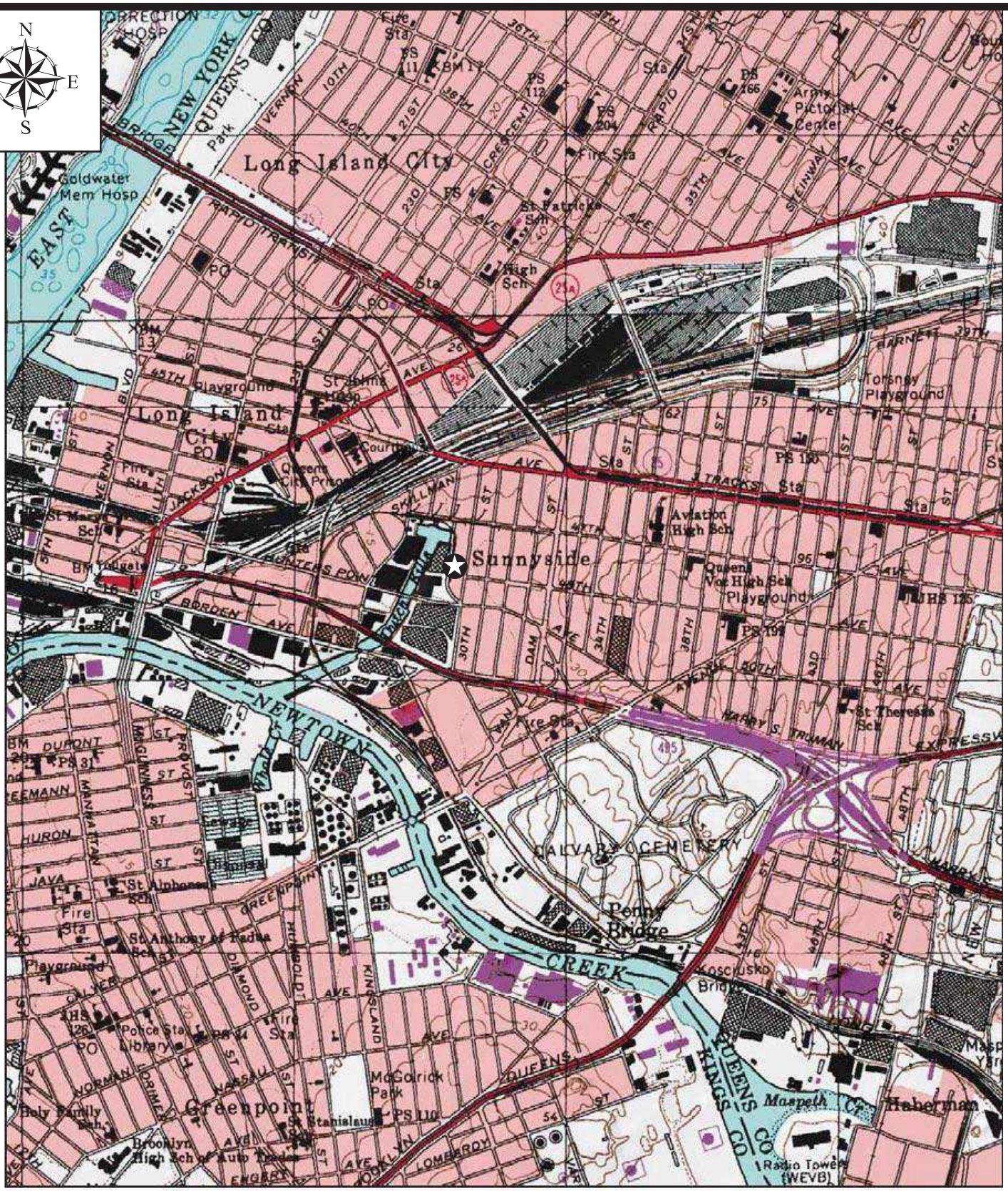


Figure 1 - Site Location Map

PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax : (516) 213-8156

-Approximate Location of Subject Property

Source: United States Geologic Survey Brooklyn Quadrangle

Site: 4750 30th Street
Long Island City, New York

Date: April 19, 2018



Figure 2 - Aerial Photograph

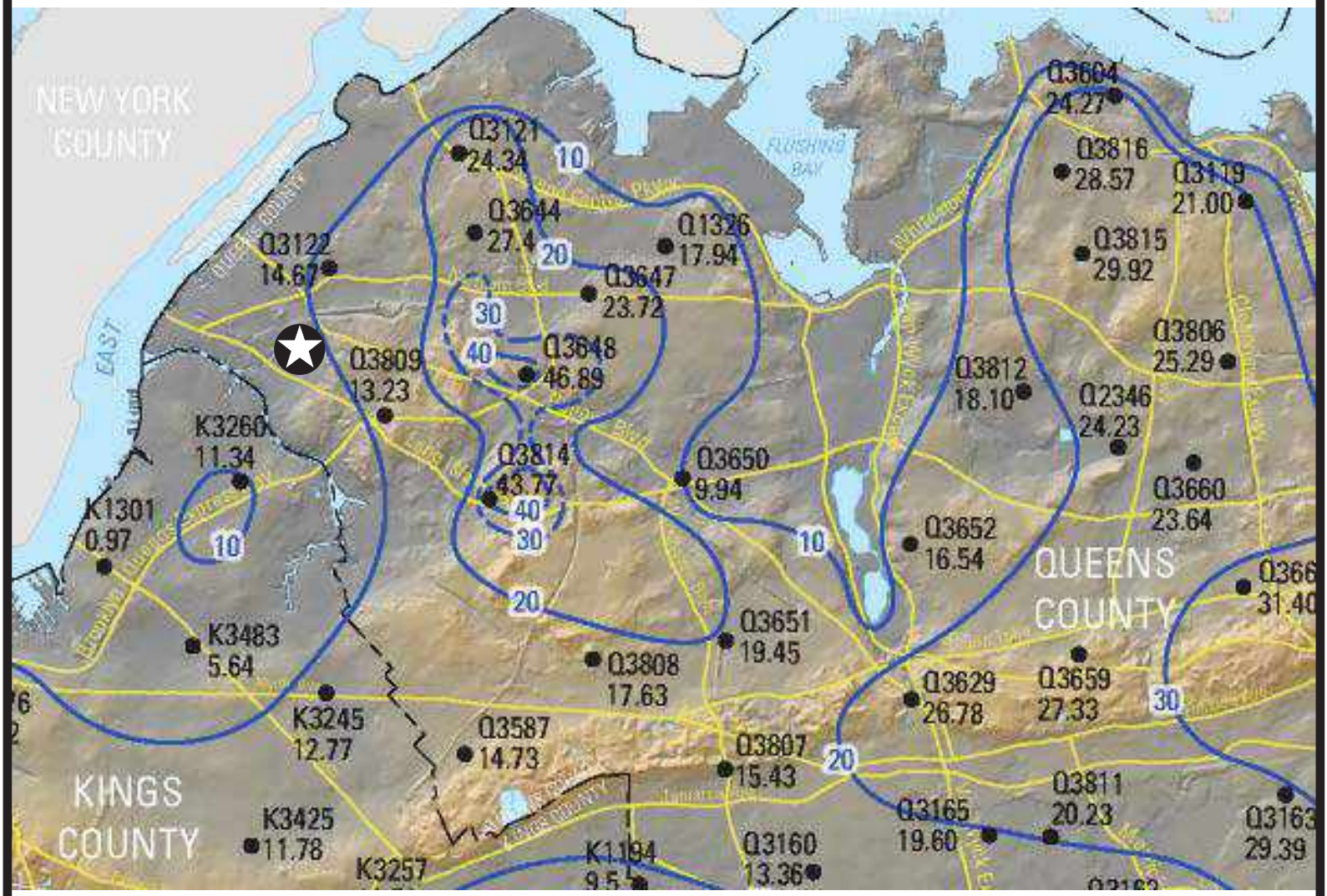
PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax : (516) 213-8156

-Approximate Property Line

Source: Google Maps

Site: **4750 30th Street**
Long Island City, New York

Date: **April 19, 2018**



Scale

0 **2 Miles**

Source: **Water-Table and Potentiometric-Surface Altitudes in the Upper Glacial, Magothy, and Lloyd Aquifers beneath Long Island, New York, March-April 2006**
By
Jack Monti Jr., and Ronald Busciolano
2009

Figure 3- Groundwater Elevation

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax : (516) 213-8156

-Approximate Location of Subject Property

Site: **4750 30th Street**
Long Island City, New York

Date: **April 19, 2018**

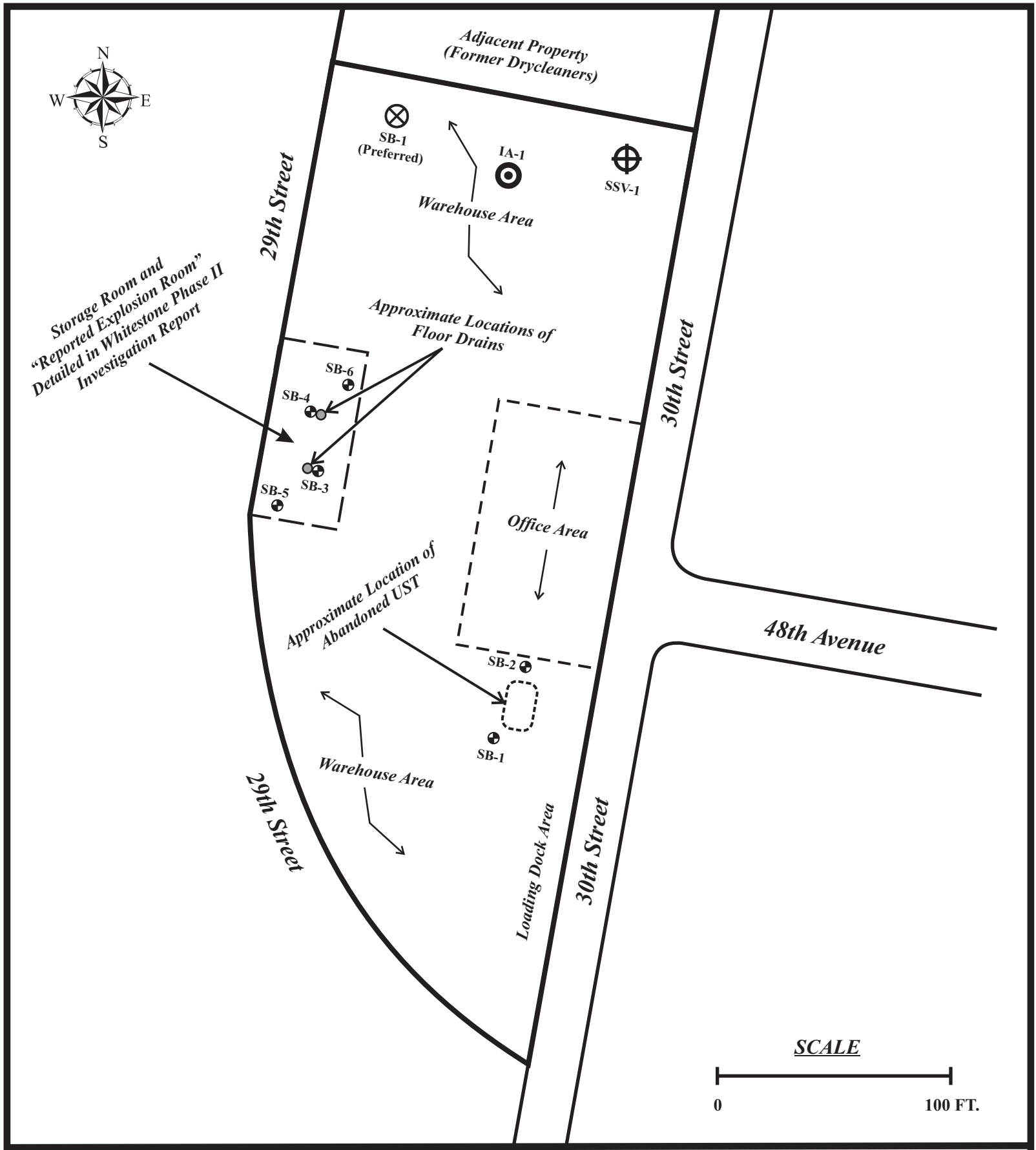


Figure 4 - Site Features and Sampling Locations

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- -Approximate Location of Soil Boring Installed by Whitestone Associates Inc. During September 2005 Phase II Investigation
- -Approximate Location of Soil Boring Installed by Preferred in April 2018
- -Approximate Location of Indoor Air Sample
- -Approximate Location of Sub-Slab Soil Vapor Sample

Site: 4750 30th Street
Long Island City, New York

Date: April 19, 2018

TABLES

TABLE 1
Summary of Volatile Organic Compounds Detected During Sub-Slab and Indoor Air Sampling
4750 30th Street, Long Island City, New York
April 2, 2018 - April 3, 2018

Sample Location		Sub-Slab Soil Vapor		Indoor Air		NYSDOH Study		NYSDOH Air Guidance Values (Specific to Indoor Air)	NYSDOH Immediate Action Level (Specific to Indoor Air)
Sample Date:		4/2/2018 - 4/3/2018		4/2/2018 - 4/3/2018		Homes in NYS 1997 - 2003			
Sample ID:		SSV-1		IA-1					
Laboratory ID:		18-D0122-01		18-D0119-01		Indoor: 25% to 75%	Outdoor: 25% to 75%		
Analyte	Units:		Q		Q				
1,1-Dichloroethylene	ug/m3	ND		0.085		<0.25	<0.25	NA	NA
1,2,4-Trimethylbenzene	ug/m3	550	IS-LO	1,300	IS-LO	0.69 - 4.3	<0.25 - 0.81	NA	NA
1,3,5-Trimethylbenzene	ug/m3	140		430	IS-LO	0.27 - 1.7	<0.25 - 0.34	NA	NA
2-Butanone	ug/m3	5.6		2.4		1.4 - 7.3	0.76 - 2.6	NA	NA
2-Hexanone	ug/m3	ND		4.7		NA	NA	NA	NA
Acetone	ug/m3	390		220		10 - 52	3.4 - 14	NA	NA
Benzene	ug/m3	4.6		0.89		1.1 - 5.9	0.57 - 2.3	NA	NA
Carbon Disulfide	ug/m3	1.7		0.43		NA	NA	NA	NA
Carbon tetrachloride	ug/m3	0.52		0.27		<0.25 - 0.59	<0.25 - 0.6	NA	NA
Chloroform	ug/m3	8.1		0.65		<0.25 - 0.54	<0.25	NA	NA
Chloromethane	ug/m3	0.40		0.66		<0.25 - 1.8	<0.25 - 1.8	NA	NA
cis-1,2-Dichloroethylene	ug/m3	5.0		0.063		<0.25	<0.25	NA	NA
Cyclohexane	ug/m3	3.6		7.2		<0.25 - 2.6	<0.25 - 0.43	NA	NA
Dichlorodifluoromethane	ug/m3	2.2		1.2		<0.25 - 4.1	<0.25 - 4.2	NA	NA
Ethyl acetate	ug/m3	ND		1.6		NA	NA	NA	NA
Ethyl Benzene	ug/m3	15		10		0.41 - 2.8	<0.25 - 0.48	NA	NA
Isopropanol	ug/m3	12		150	E	NA	NA	NA	NA
Methyl Methacrylate	ug/m3	14		3.0		<0.25	<0.25	NA	NA
Methyl tert-butyl ether (MTBE)	ug/m3	5.0		ND		<0.25 - 5.6	<0.25 - 0.86	NA	NA
Methylene chloride	ug/m3	25		5.2		0.31 - 6.6	<0.25 - 0.73	60	NA
n-Heptane	ug/m3	27		33		1.0 - 7.6	<0.25 - 1.0	NA	NA
n-Hexane	ug/m3	15		8.6		0.63 - 6.0	<0.25 - 0.88	NA	NA
o-Xylene	ug/m3	34		37		0.39 - 3.1	<0.25 - 0.56	NA	NA
p- & m- Xylenes	ug/m3	57		40		0.50 - 4.6	<0.25 - 0.48	NA	NA
p-Ethyltoluene	ug/m3	160	IS-LO	370	IS-LO	NA	NA	NA	NA
Propylene	ug/m3	0.81		1.6		NA	NA	NA	NA
Tetrachloroethylene (PCE)	ug/m3	17,000		1,700		<0.25 - 1.1	<0.25 - 0.34	30	300
Toluene	ug/m3	59		82		3.5 - 24.8	0.60 - 2.4	NA	NA
Trichloroethylene (TCE)	ug/m3	98		15		<0.25	<0.25	2	20
Trichlorofluoromethane (Freon 11)	ug/m3	1.3		0.84		1.1 - 5.4	<0.25 - 2.2	NA	NA

Notes:

NYSDOH Study is the Summary of Indoor and Outdoor Levels of Volatile Organic Compounds From Fuel Oil Heated Home in NYS, 1997 to 2003.

The NYSDOH Air Guidelines Values are provided in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York October 2006 and supplemental VOCs added in June 25, 2007 correspondence.

The NYSDOH Immediate Action Levels are provided in the NYDOH August and September 2015 correspondence.

ug/m^3 - micrograms per cubic meter

ND - Analyte not detected at concentration exceeding method detection limit

Highlighted Value incidates contaminnt detected at elevated concentration and/or exceeding its NYSDOH Air Guidance Values and Immediate Action Levels

E - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for thatspecific analysis.

IS-LO The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

Table 2
Soil Analytical Results with Comparison
to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
4750 30th Street
Long Island City, New York
April 2, 2018

Sample ID York ID Sampling Date Client Matrix		SB-1 (1.5-2 feet bgs) 18D0049-01 4/2/2018 12:25 Soil		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Industrial
Compound	**CAS Number**	Result	Q		
Volatile Organics, 8260 - Comprehensive		µg/Kg		µg/Kg	µg/Kg
Dilution Factor		1			
1,2,4-Trimethylbenzene	95-63-6	3.6	J	190,000	380,000
Acetone	67-64-1	77	CCV-E, SCAL-E	500,000	1,000,000
Tetrachloroethylene (PCE)	127-18-4	100		150,000	300,000
All other analytes		ND		~	~

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
CCV-E=The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% difference for average Rf or >20% Drift for quadratic fit).
SCAL-E= The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
~=this indicates that no regulatory limit has been established for this analyte

DISCLAIMER:
York Analytical Laboratories, Inc. is providing this information as a convenience to you. York makes no representations or warranties that these data are accurate, complete or represent the latest regulatory authority limits or analytes. York is not responsible for any errors or omissions in these specific regulations. Your use of these data constitute your understanding of these limitations and you agree to hold York harmless from any and all action that may arise from use of said information.

ATTACHMENT A

PREVIOUS ENVIRONMENTAL ASSESSMENTS

Preferred Environmental Services

323 Merrick Avenue• N. Merrick New York 11566
Telephone: (516) 546-1100 • Facsimile: (516) 213-8156

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.7777
FAX 908.754.5936
www.whitestoneassoc.com

SUMMARY REPORT OF FINDINGS

PHASE II SITE INVESTIGATION

EXISTING MILTON PAPER COMPANY
47-50 30th STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

Prepared for:

PRESTONE PRINTING
45 Main Street
Suite 305
Brooklyn, New York 11201

Prepared by:

WHITESTONE ASSOCIATES, INC.
35 Technology Drive
Warren, New Jersey 07059

Whitestone Project #WJ05-8023
September 27, 2005

WHITESTONE ASSOCIATES, INC.
ENVIRONMENTAL & GEOTECHNICAL ENGINEERS & CONSULTANTS

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September 27, 2005

via Federal Express

PRESTONE PRINTING
45 Main Street
Suite 305
Brooklyn, New York 11201

Attention: Mr. Robert Adler

Regarding: SUMMARY REPORT OF FINDINGS
PHASE II SITE INVESTIGATION
EXISTING MILTON PAPER COMPANY
47-50 30th STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK
WHITESTONE PROJECT NO.: WJ05-8023

Dear Mr. Adler:

Whitestone Associates, Inc. (Whitestone) conducted field activities associated with supplemental environmental due diligence investigation activities at the above-referenced site on August 30, 2005. The limited Phase II Site Investigation (SI) was conducted to assess subsurface conditions at the subject site through the collection and analyses of soil and groundwater samples in the vicinity of an abandoned 3,000 gallon former heating oil underground storage tank (UST), floor drains in the western portion of the site building, and in former hazardous materials storage/handling areas. The discharge points of the floor drains also were evaluated during the SI. A summary of Whitestone's activities, findings, conclusions, and recommendations associated with these efforts is presented in the sections that follow.

1.0 ENVIRONMENTAL CONDITIONS

As documented in Whitestone's August 16, 2005 *Summary Report of Findings - Phase I Environmental Site Assessment* (ESA), the subject site consists of an approximately 54,000 square feet (footprint), single-story building. The site building covers the entire subject property and currently is occupied by Milton Paper Company.

This SI was conducted to further evaluate the recognized environmental conditions (RECs) documented during Whitestone's Phase I ESA. The RECs evaluated during this limited SI are summarized as follows:

- The subject property historically has been operated as a chemical warehouse and shellac company. These operations likely included the on-site storage and/or use of hazardous or potentially hazardous

materials. Discharges of such materials/wastes potentially may have resulted in contamination of soil and/or groundwater at the subject property.

- One 3,000 gallon former fuel oil UST remains abandoned in place under the eastern portion of the site building. No environmental sampling reportedly was conducted during UST closure activities, and releases from this former UST may have impacted subsurface conditions at the subject property.

- Two floor drains were observed in a storage room located in the western portion of the site building. A site sketch provided in the November 17, 2004 Phase I ESA prepared by Lender Consulting Service (LCS) for the subject property identifies this room as "reported explosion room". This room formerly may have been utilized for the mixing and testing of chemicals associated with former site operations conducted by Philip A. Hunt Chemical Corporation.

2.0 SCOPE OF WORK AND LIMITATIONS

The scope of this limited SI included the following tasks:

- conducting an evaluation of the discharge point(s) of floor drains utilizing water dye;

- advancing six borings with Geoprobe equipment to facilitate soil screening and select soil and groundwater sampling;

- logging and screening soils with a photoionization detector (PID) for the potential presence of volatile organic (VO) contamination;

- submitting soil samples collected from select borings for laboratory analyses for volatile organic compounds (VO) and semi-volatile organic compounds (SVO); and

- submitting groundwater samples collected from temporary wellpoints established in select borings for laboratory analyses for VO and SVO;

This SI was not intended to be an exhaustive evaluation of subsurface conditions at the subject property and was prepared for the sole use of Prestone Printing, Stadtmauer Bailkin, L.L.P., Citibank, N.A., New York City Industrial Development Agency, their successors, representatives, and assigns, and should not be relied upon by any third party without Whitestone's written consent.

3.0 FLOOR DRAIN EVALUATION

Whitestone utilized a non-toxic water dye in attempt to determine the discharge points of the floor drains observed in the western portion of the site building. The dyed water was poured through the individual drains while potential outfalls (including the stormwater management system and sanitary sewer system) were monitored for the presence of the dye. The dyed water was not observed at the monitored potential outfalls, and the discharge point(s) of the floor drains could not be determined during this evaluation.

4.0 SAMPLING METHODOLOGY

Two soil borings (SB-1 and SB-2) were advanced in the vicinity of the abandoned 3,000 gallon UST and four soil borings (SB-3 through SB-6) were advanced in the former "explosion room" at the western portion of the building. Two of the borings (SB-3 and SB-4) in this room were advanced adjacent to the floor drains.

The borings were advanced utilizing limited-access Geoprobe equipment subcontracted from Enviroprobe Services, Inc. Soil samples were collected as the borings were advanced. Samples were screened with a PID to identify the presence of VO contamination. Soil samples were collected from select borings from the intervals which exhibited the greatest potential for contamination based upon field screening and visual observations. Sampling equipment was decontaminated between successive uses. Temporary PVC wellpoints were placed in borings SB-1, SB-3 and SB-5 to facilitate the collection of groundwater samples. Soil boring logs are provided as Attachment A, and the site and boring locations are depicted on Figure 1 and Figure 2, respectively.

Six soil samples (8023-SB-1 through 8023-SB-6) were submitted to Integrated Analytical Laboratories, L.L.C. (IAL) of Randolph, New Jersey, a State-certified laboratory (NY Certification #11402), for VO and SVO analyses. Analytical results comprise Attachment B and are summarized in Table 1 (Soil and Groundwater Sampling Summary) and Table 2 (Soil Sampling and Analysis Data Summary). Three groundwater samples (8023-SB-1-GW, 8023-SB-3-GW and 8023-SB-5-GW) were collected and submitted to IAL for VO and SVO analyses. Groundwater analytical results are summarized in Table 3 (Groundwater Sampling and Analysis Data Summary).

5.0 SI RESULTS AND SAMPLING AND ANALYSIS DATA SUMMARY

5.1 Site Lithology

Six borings (SB-1 through SB-6) were completed at the subject site to maximum depths of 20.0 feet below ground surface (fbgs). The subsurface soil conditions encountered in the soil borings consisted of the following generalized strata in order of increasing depth.

Surface Materials: The borings conducted in the former "explosion room" (SB-3 through SB-6) encountered approximately six inches to eight inches of concrete then four inches to six inches of cork and then another four inches to six inches of concrete. Voids were documented below the slab in borings SB-4, SB-5 and SB-6. Borings SB-1 and SB-2 encountered approximately eight inches to 12 inches of concrete (floor slab).

Fill Materials: Fill materials were encountered beneath the surficial materials in each of the borings. The fill materials encountered generally consisted of brownish, grayish and olive colored coarse to fine sand with variable amounts of gravel, silt, clay and debris. The debris encountered in the borings consisted of processed gravel and wood. Each boring penetrated through the fill materials into natural soils at depths ranging from approximately nine fbgs to 12.0 fbgs.

Sand: Beneath the fill materials, the borings encountered natural sands that extended to boring termination depths of 20.0 fbgs. This stratum generally consisted of brownish and olive colored coarse to fine sand with variable amounts of gravel and silt.

Groundwater: Groundwater was encountered during the August 30, 2005 field investigation activities in each of the boring at depths ranging from approximately 10 fbgs to 10.5 fbgs.

A summary of boring installation and sampling data is presented in Table 1, and boring logs are presented in Attachment A.

5.2 Soil Sampling Results

Soil borings SB-1 and SB-2 were advanced in the vicinity the abandoned 3,000 gallon former heating oil UST, borings SB-3 and SB-4 were advanced in the vicinity of the floor drains in the former "explosion room" in the western portion of the site building, and borings SB-5 and SB-6 were advanced throughout the former "explosion room". The analytical results for the soil samples did not document VO constituents at concentrations exceeding laboratory method detection limits (MDLs).

Analytical results for the soil samples documented select SVO constituents at concentrations exceeding laboratory MDLs in four of the six soil samples. Select SVO constituents were also detected at concentrations exceeding New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) in borings SB-4 and SB-6. The SVO concentrations detected in these soil samples only slightly exceed applicable NYSDEC guidance values and are typical of concentrations found in fill material in urban areas. Analytical results comprise Attachment B and are summarized in Table 2 (Soil Sampling and Analyses Data Summary).

5.3 Groundwater Sampling Results

Groundwater samples were collected from temporary wellpoints installed in borings SB-1, SB-3 and SB-5. The VO constituent chloroform was detected at a concentration exceeding the laboratory MDL in the groundwater sample collected from boring SB-5, however, below NYSDEC's Groundwater Standard.

The groundwater samples collected from borings SB-1 through SB-3 documented select SVO constituents at concentrations exceeding laboratory MDLs. SVO constituents were also detected at concentrations exceeding NYSDEC Groundwater Standards in borings SB-1 and SB-3. Analytical results comprise Attachment B and are summarized in Table 3 (Groundwater Sampling and Analyses Data Summary).

6.0 CONCLUSIONS AND RECOMMENDATIONS

Whitestone conducted limited SI activities on August 30, 2005 to evaluate subsurface conditions at the subject property. Conclusions and recommendations pertaining to the limited SI activities are summarized as follows:

- Soil sampling and analysis revealed the presence of select SVO constituents in borings SB-4 and SB-6 at concentrations exceeding NYSDEC RSCOs. The levels encountered generally are indicative of typical concentrations occurring in fill in urban and developed areas.

- Groundwater sampling revealed the presence of select SVO constituents in the samples collected from borings SB-1 and SB-3 at concentrations exceeding NYSDEC Groundwater Standards.

- The identified soil and groundwater exceedances of NYSDEC guidelines represent a condition that typically will not warrant further action assuming subsurface soils and groundwater will not be disturbed for site redevelopment. These exceedances should be reported to the NYSDEC, and the current results suggest that the fill conditions likely can be addressed by existing engineering controls (current building slab) or, possibly, institutional controls such as a deed restriction.

- Whitestone could not determine the discharge point(s) of the two floor drains observed in the western portion of the site building. These floor drains should be cleaned and grouted/sealed if not intended for future use. If documented in the future, the discharge point(s) should be evaluated to determine the potential for impacts to subsurface conditions.

Hopefully, this information will be helpful for site planning purposes. Please do not hesitate to contact us at (908) 668-7777 with any questions regarding these matters.

Sincerely,

WHITESTONE ASSOCIATES, INC.

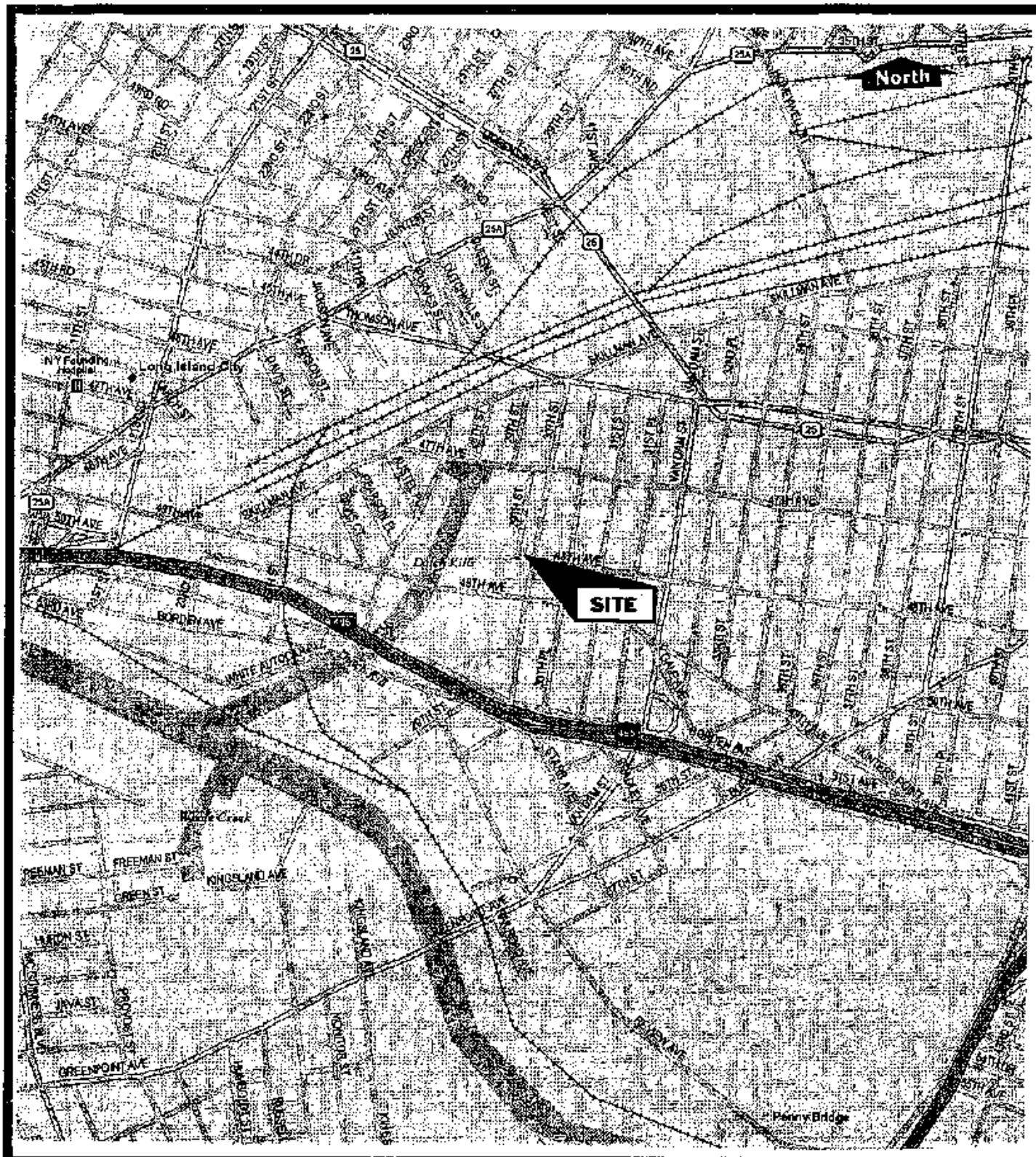
Christopher Seib
Environmental Services Manager

Glennon C. Graham, P.G.
Professional Geologist

TKU/pjp L:\WhitestoneOffice\2005\058023\8023PhIISI.wpd
Enclosures
Copy: Steven Polivy, Esq., Stadtmauer Bailkin, L.L.P.

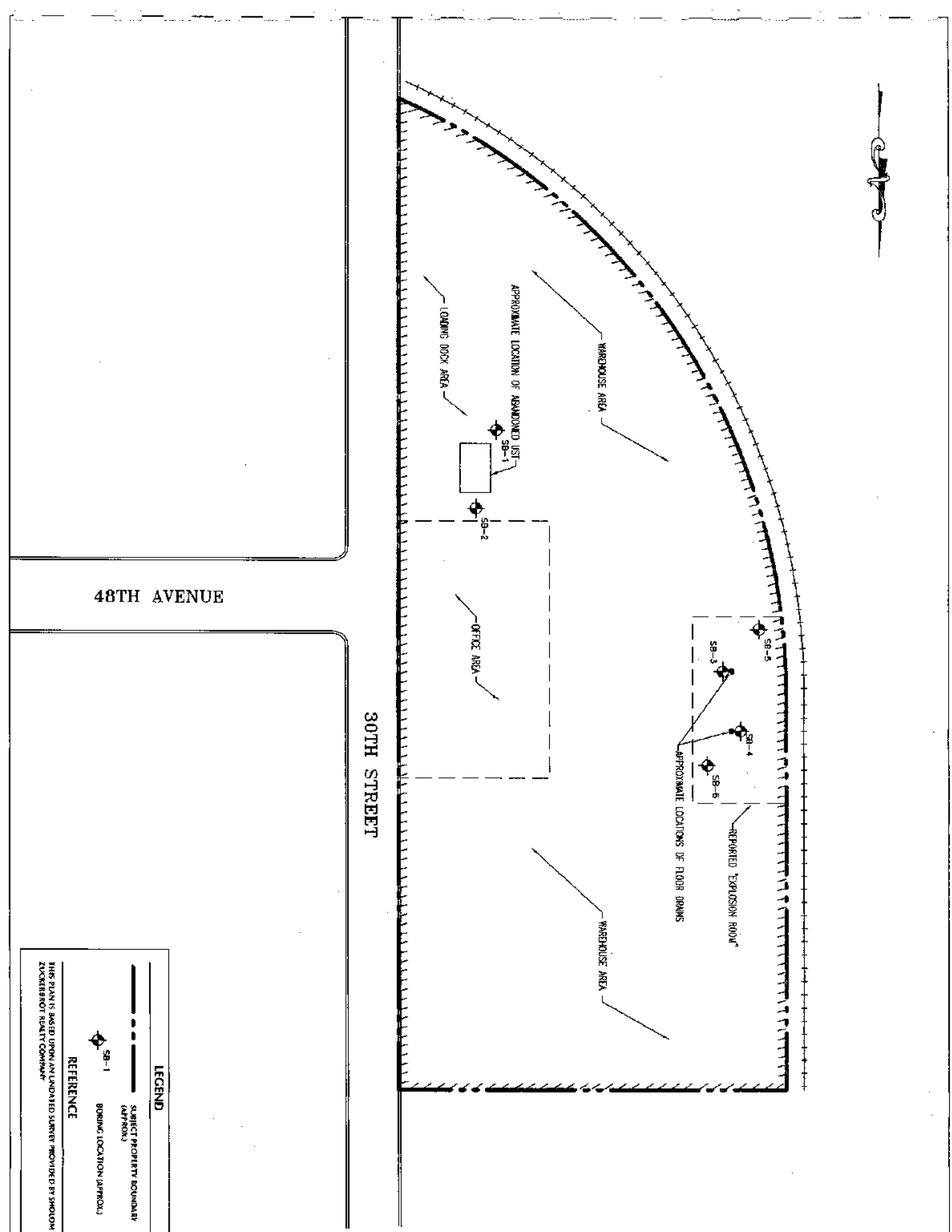
WHITESTONE ASSOCIATES, INC.

FIGURE 1
Site Location Map



TITLE:	**Site Location Map**						
CLIENT:	PRESTONE PRINTING						
PROJECT:	Phase II Site Investigation Existing Milton Paper Company 47-50 30th Street Long Island City, Queens County, New York	PROJECT #: WI05-8023	BY: DeLorme	PROJ. MGR.: CS	DATE: 9/21/05	SCALE: 1" = 1,060'	FIGURE: 1

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 ✦ 908.754.5936 FAX



TITLE:

BORING LOCATION PLAN

CLIENT: PRESTONE PRINTING

WHITESTONE ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NEW JERSEY 07059
908.668.7777 • 908.754.5936 FAX

PROJECT: PHASE II SITE INVESTIGATION
EXISTING MILTON PAPER COMPANY
47-50 30TH STREET
LONG ISLAND CITY, QUEENS COUNTY, NEW YORK

PROJECT #:	BY:	PROJ. MGR.:	DATE:	SCALE:	FIGURE:
WJ05-8023	MS	CS	8/10/05	N.T.S.	2

WHITESTONE ASSOCIATES, INC.

FIGURE 2
Boring Location Plan

WHITESTONE ASSOCIATES, INC.

TABLE 1
Soil and Groundwater Sampling Summary

TABLE 1
SOIL AND GROUNDWATER SAMPLING SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Boring Number	Sample Depths (fbgs)	Total Depth (fbgs)	GW Depth (fbgs)	Maximum PID Reading (ppm)
SB-1	9.5 to 10.0	20.0	10.0	0.0
SB-2	10.0 to 10.5	20.0	10.5	0.0
SB-3	2.5 to 3.0	20.0	10.0	0.0
SB-4	3.5 to 4.0	20.0	10.0	0.0
SB-5	3.5 to 4.0	20.0	10.0	0.0
SB-6	2.5 to 3.0	20.0	10.0	0.0

NOTES:

PID	Photoionization Detector
GW	Groundwater
fbgs	feet below ground surface
ppm	parts per million

WHITESTONE ASSOCIATES, INC.

TABLE 2
Soil Sampling and Analysis Data Summary

TABLE 2
SOIL SAMPLING AND ANALYSIS DATA SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Sample Number	Analytical Parameters	VO Detected Above MDLs (ppm)	SVO Detected Above MDLs (ppm)
8023-SB-1	VO, SVO	ND	phenanthrene = 0.287 (50) flouranthene = 0.234 (8.1) pyrene = 0.169 (50)
8023-SB-2	VO, SVO	ND	flouranthene = 0.185 J (50) pyrene = 0.154 J (50) benzo[a]anthracene = 0.132 J (0.224)
8023-SB-3	VO, SVO	ND	ND
8023-SB-4	VO, SVO	ND	phenanthrene = 0.634 (50) anthracene = 0.134 J (50) di-n-butylphtbalate = 0.175 J (8.1) fluoranthene = 1.96 (50) pyrene = 2.01 (50) **benzo[a]anthracene = 1.19 (0.224)** **chrysene = 1.64 (0.4)** **benzo[b]flouranthene = 1.21 (1.1)** **benzo[k]flouranthene = 1.21 (1.1)** **benzo[a]pyrene = 1.29 (0.061)** indeno[1,2,3-cd]pyrene = 0.858 (3.2) **dibenz[a,h]anthracene = 0.396 (0.014)** benzo[g,h,i]perylene = 1.05 (50)
8023-SB-5	VO, SVO	ND	ND
8023-SB-6	VO, SVO	ND	phenanthrene = 0.674 (50) anthracene = 0.309 (50) fluoranthene = 4.01 (50) pyrene = 10.0 (50) **benzo[a]anthracene = 11.3 (0.224)** **chrysene = 16.4 (0.4)** **benzo[b]flouranthene = 6.70 (1.1)** **benzo[k]flouranthene = 6.10 (1.1)** **benzo[a]pyrene = 11.7 (0.061)** **indeno[1,2,3-cd]pyrene = 5.12 (3.2)** **dibenz[a,h]anthracene = 3.57 (0.014)** benzo[g,h,i]perylene = 6.41 (50)

NOTES:

VO	Volatile Organic Compounds
SVO	Semi-Volatile Organic Compounds
MDLs	Laboratory Method Detection Limits
ppm	parts per million
ND	Not Detected exceeding laboratory MDLs
( )	NYSDEC Recommended Soil Cleanup Objective shown in parenthesis
BOLD	Exceeds NYSDEC Recommended Soil Cleanup Objective
J	Detected at concentration below the MDL

WHITESTONE ASSOCIATES, INC.

TABLE 3
Groundwater Sampling and Analysis Data Summary

TABLE 3
GROUNDWATER SAMPLING AND ANALYSIS DATA SUMMARY
Existing Milton Paper Company
47-50 30th Street
Long Island City, Queens County, New York

Sample Number	Analytical Parameters	VO Detected Above MDLs (ppb)	SVO Detected Above MDLs (ppb)
8023-SB-1-GW	VO, SVO	ND	naphthalene = 1.29 (10) 2-methylnaphthalene = 0.419 (50) acenaphthene = 8.22 (20) dibenzofuran = 2.67 (5) fluorene = 8.20 (50) phenanthrene = 12.9 (50) anthracene = 2.96 (50) carbazole = 0.960 (NS) fluoranthene = 1.77 (50) pyrene = 1.26 (50) **benzo[a]anthracene = 0.265 (0.002)** **chrysene = 0.168 (0.002)**
8023-SB-3-GW	VO, SVO	ND	naphthalene = 0.586 (10) 2-methylnaphthalene = 0.576 (50) acenaphthene = 6.04 (20) dibenzofuran = 0.281 (5) fluorene = 3.04 (50) phenanthrene = 4.20 (50) anthracene = 0.815 (50) fluoranthene = 0.540 (50) pyrene = 0.410 (50)
8023-SB-5-GW	VO, SVO	chloroform = 0.618 (7.0)	naphthalene = 1.13 (10) 2-methylnaphthalene = 0.365 (50) acenaphthene = 7.22 (20) dibenzofuran = 2.25 (5) fluorene = 7.47 (50) phenanthrene = 10.8 (50) anthracene = 2.20 (50) carbazole = 0.764 (NS) fluoranthene = 1.39 (50) pyrene = 0.985 (50) **benzo[a]anthracene = 0.198 (0.002)**

NOTES:

VO	Volatile Organic Compounds
SVO	Semi-Volatile Organic Compounds
ppb	parts per billion
MDLs	Laboratory Method Detection Limits
ND	Not Detected exceeding laboratory MDLs
NS	Not established Groundwater Standard for this compound
( )	NYSDEC Groundwater Standard shown in parenthesis
BOLD	Exceeds NYSDEC Groundwater Standard

WHITESTONE ASSOCIATES, INC.

ATTACHMENT A
Boring Logs

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-1

Project:	Existing Milton Paper Company	WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY	Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05
Drilling Method:	Geoprobe	Logged By:	G. Graham
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.
		Machine:	Dingo

Water Depths / Elevations (feet / feet-msl)

While Drilling:	10.0	▼
At Completion:	10.0	▽
24 Hours:	NA	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 12" Concrete 12" - 26" Brown Fine Sand 26" - 36" Brown Fine to Coarse Sand and Coarse to Medium Gravel, Trace Silt	0.0	36	0.0
5.0		0" - 8" Same As Above 8" - 29" Brown Fine to Coarse Sand and Small Gravel 29" - 48" Brown Fine to Coarse Sand	0.0	48	5.0
10.0	▼	0" - 26" Same As Above, Moist 26" - 32" Gray Fine to Coarse Sand, Some Silt, Wet 32" - 48" Gray to Black Fine to Coarse Sand, Some Silt, Wet	0.0	48	10.0
15.0		0" - 48" Same As Above	0.0	48	15.0
20.0		0" - 48" Same As Above	0.0	48	20.0
25.0		Boring SB-1 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-1 Collected @ 9.5 fbgs to 10.0 fbgs @ 1515 Groundwater Sample Collected @ 1530			25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-2

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.5 ▼
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.5 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 8" Concrete 8" - 22" Brown Fine to Coarse Sand 22" - 39" Brown Fine to Coarse Sand, Some Small to Medium Gravel, Trace Silt	0.0	39	0.0
5.0		0" - 12" Same As Above 12" - 31" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 31" - 42" Brown Fine to Coarse Sand	0.0	42	5.0
10.0		0" - 13" Same As Above 13" - 29" Gray Fine to Coarse Sand, Some Silt, Moist 29" - 42" Gray to Brown Fine to Coarse Sand, Some Silt, Wet	0.0	42	10.0
15.0		0" - 36" Same As Above	0.0	36	15.0
		0" - 41" Same As Above	0.0	41	
20.0		Boring SB-2 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-2 Collected @ 10.0 fbgs to 10.5 fbgs @ 1545			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-3

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 8" Concrete 8" - 12" Cork 12" - 18" Concrete 18" - 36" Brown Fine to Coarse Sand, Trace Silt	0.0	36	0.0
5.0		0" - 27" Brown Fine to Coarse Sand, Some Coarse to Medium Gravel, Trace Silt 27" - 39" Brown Fine to Coarse Sand	0.0	39	5.0
10.0 ▽		0" - 18" Same As Above 18" - 47" Gray-Brown Fine to Coarse Sand, Some Silt, Trace Small Gravel, Wet	0.0	47	10.0
15.0		0" - 43" Same As Above	0.0	43	15.0
		0" - 46" Same As Above	0.0	46	
20.0		Boring SB-3 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-3 Collected @ 2.5 fbgs to 3.0 fbgs @ 1600 Groundwater Sample Collected @ 1605			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-4

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 12" Cork 12" - 18" Concrete 18" - 27" Void 27" - 48" Brown Fine to Coarse Sand, Some Small to Medium Gravel	0.0	48	0.0
5.0		0" - 12" Same As Above 12" - 31" Brown Fine to Coarse Sand, Some Small to Medium Gravel, Trace Silt 31" - 38" Brown Fine to Coarse Sand, Trace Silt	0.0	38	5.0
10.0		0" - 18" Same As Above 18" - 27" Brown Fine to Coarse Sand, Some Small to Medium Gravel	0.0	27	10.0
15.0		0" - 8" Same As Above 8" - 39" Gray-Brown Fine to Coarse Sand, Some Silt, Trace Small Gravel, Wet	0.0	39	15.0
		0" - 41" Same As Above	0.0	41	
20.0		Boring SB-4 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-4 Collected @ 3.5 fbgs to 4.0 fbgs @ 1615			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-5

Project:	Existing Milton Paper Company	WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY	Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05
Drilling Method:	Geoprobe	Logged By:	G. Graham
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.
		Machine:	Dingo

Water Depths / Elevations (feet / feet-msl)

While Drilling:	10.0	▼
At Completion:	10.0	▽
24 Hours:	NA	▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 10" Cork 10" - 14" Concrete 14" - 31" Void 31" - 48" Brown Fine to Coarse Sand	0.0	48	0.0
5.0		0" - 10" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 10" - 36" Brown Fine to Coarse Sand	0.0	36	5.0
10.0		0" - 22" Same As Above, Moist 22" - 42" Gray to Brown Fine to Coarse Sand, Some Silt, Wet	0.0	42	10.0
15.0		0" - 39" Same As Above	0.0	39	15.0
		0" - 45" Same As Above	0.0	45	
20.0		Boring SB-5 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-5 Collected @ 3.5 fbgs to 4.0 fbgs @ 1625 Groundwater Sample Collected @ 1630			20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES INC.

RECORD OF SUBSURFACE EXPLORATION

Boring No.: SB-6

(Page 1 of 1)

Project:	Existing Milton Paper Company			WAI Project No.:	WJ05-8023
Location:	47-50 30th Street; Long Island City, NY			Client:	Prestone Printing
Surface Elevation:	Not Surveyed	Date Started:	08/30/05	Water Depths / Elevations (feet / feet-msl)	
Termination Depth:	20.0 feet bgs	Date Completed:	08/30/05		
Drilling Method:	Geoprobe	Logged By:	G. Graham	While Drilling:	10.0 ▽
Test Method:	Macro-Core	Contractor:	Enviroprobe Services, Inc.	At Completion:	10.0 ▽
		Machine:	Dingo	24 Hours:	NA ▼

Depth (feet)	Strata	DESCRIPTION OF MATERIALS (Classification)	PID Readings (ppm)	Rec. (in.)	Depth (feet)
0.0		0" - 6" Concrete 6" - 12" Cork 12" - 18" Concrete 18" - 27" Void 27" - 38" Brown Fine to Coarse Sand, Trace Small Gravel, Trace Silt	0.0	38	0.0
5.0		0" - 18" Brown Fine to Coarse Sand and Small to Medium Gravel, Trace Silt 18" - 27" Brown Fine to Coarse Sand	0.0	27	5.0
10.0		0" - 27" Same As Above, Moist 27" - 39" Brown to Gray Fine to Coarse Sand, Some Silt, Wet	0.0	39	10.0
15.0		0" - 47" Same As Above	0.0	47	15.0
20.0		0" - 42" Same As Above Boring SB-6 Terminated at a Depth of 20.0 Feet Below Ground Surface Soil Sample 8023-SB-6 Collected @ 2.5 fbgs to 3.0 fbgs @ 1645	0.0	42	20.0
25.0					25.0

NOTES: NE = Not Encountered, NA = Not Applicable

WHITESTONE ASSOCIATES, INC.

ATTACHMENT B
Analytical Data Summary Sheets

SUMMARY REPORT
Client: Whitestone Associates Inc.
Project: LONG ISLAND CITY
Lab Case No.: E05-09123

Lab ID:	09123-002			09123-005			09123-008		
Client ID:	8023-SB-1-GW			8023-SB-3-GW			8023-SB-5-GW		
Matrix:	Aqueous			Aqueous			Aqueous		
Sampled Date	8/30/05			8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (µg/L-ppb)									
Chloroform	ND		0.260	ND		0.260	0.618		0.260
TOTAL VO's:	ND			ND			0.618		
Semivolatiles - BN (µg/L-ppb)									
Naphthalene	1.29		0.110	0.586		0.110	1.13		0.110
2-Methylnaphthalene	0.419		0.140	0.576		0.140	0.365		0.140
Acenaphthene	8.22		0.170	6.04		0.170	7.22		0.170
Dibenzofuran	2.67		0.120	0.281		0.120	2.25		0.120
Fluorene	8.20		0.180	3.04		0.180	7.47		0.180
Phenanthrene	12.9		0.110	4.20		0.110	10.8		0.110
Anthracene	2.96		0.140	0.815		0.140	2.20		0.140
Carbazole	0.960		0.170	ND		0.170	0.764		0.170
Fluoranthene	1.77		0.190	0.540		0.190	1.39		0.190
Pyrene	1.26		0.140	0.410		0.140	0.985		0.140
Benzo[a]anthracene	0.265		0.150	ND		0.150	0.198		0.150
Chrysene	0.168		0.140	ND		0.140	ND		0.140
TOTAL BN'S:	41.1			16.5			34.8		

ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT

Client: Whitestone Associates Inc.
Project: LONG ISLAND CITY
Lab Case No.: E05-09123

Lab ID:	09123-001			09123-003			09123-004			09123-006		
Client ID:	8023-SB-1			8023-SB-2			8023-SB-3			8023-SB-4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	8/30/05			8/30/05			8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
TOTAL VO's:	ND			ND			ND			ND		
Semivolatiles - BN (mg/Kg-ppm)												
Phenanthrene	0.287		0.260	ND		0.201	ND		0.252	0.634		0.211
Anthracene	ND		0.260	ND		0.201	ND		0.252	0.134	J	0.211
Di-n-butylphthalate	ND		0.260	ND		0.201	ND		0.252	0.175	J	0.211
Fluoranthene	0.234	J	0.260	0.185	J	0.201	ND		0.252	1.96		0.211
Pyrene	0.169	J	0.260	0.154	J	0.201	ND		0.252	2.01		0.211
Benzo[a]anthracene	ND		0.260	0.132	J	0.201	ND		0.252	1.19		0.211
Chrysene	ND		0.260	ND		0.201	ND		0.252	1.64		0.211
Benzo[b]fluoranthene	ND		0.260	ND		0.201	ND		0.252	1.21		0.211
Benzo[k]fluoranthene	ND		0.260	ND		0.201	ND		0.252	1.21		0.211
Benzo[a]pyrene	ND		0.260	ND		0.201	ND		0.252	1.29		0.211
Indeno[1,2,3-cd]pyrene	ND		0.260	ND		0.201	ND		0.252	0.858		0.211
Dibenz[a,h]anthracene	ND		0.260	ND		0.201	ND		0.252	0.396		0.211
Benzo[g,h,i]perylene	ND		0.260	ND		0.201	ND		0.252	1.05		0.211
TOTAL BN'S:	0.690	J		0.471	J		ND			13.8	J	

Lab ID:	09123-007			09123-009		
Client ID:	8023-SB-5			8023-SB-6		
Matrix:	Soil			Soil		
Sampled Date	8/30/05			8/30/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)						
TOTAL VO's:	ND			ND		
Semivolatiles - BN (mg/Kg-ppm)						
Phenanthrene	ND		0.234	0.674		0.208
Anthracene	ND		0.234	0.309		0.208
Fluoranthene	ND		0.234	4.01		0.208
Pyrene	ND		0.234	10.0		0.208
Benzo[a]anthracene	ND		0.234	11.3		0.208
Chrysene	ND		0.234	16.4		0.208
Benzo[b]fluoranthene	ND		0.234	6.70		0.208
Benzo[k]fluoranthene	ND		0.234	6.10		0.208
Benzo[a]pyrene	ND		0.234	11.7		0.208
Indeno[1,2,3-cd]pyrene	ND		0.234	5.12		0.208
Dibenz[a,h]anthracene	ND		0.234	3.57		0.208
Benzo[g,h,i]perylene	ND		0.234	6.41		0.208
TOTAL BN'S:	ND			82.3		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL

ATTACHMENT B

PHOTOGRAPHIC LOG, AIR SAMPLING FORMS AND NYSDOH QUESTIONNAIRE

Preferred Environmental Services

323 Merrick Avenue• N. Merrick New York 11566
Telephone: (516) 546-1100 • Facsimile: (516) 213-8156



Photograph No. 1: Front view of the Subject Property located at 4750 30th Street, Long Island City, NY



Photographs Nos. 2 & 3: Views of the sampling area in the northern portion of the Subject Property which included a storage warehouse and process line machinery for the printing press operations.





Photograph Nos. 4 & 5: The sub-slab vapor point was installed through the concrete slab of the main floor utilizing an electric-powered rotary hammer drill. Tubing was installed through the newly installed vapor point, and the point where the tubing entered the concrete slab was sealed with hydrated bentonite.





Photographs No. 6: View of the sampling set-up used for the sub-slab vapor samples. A 5-gallon bucket with two (2) holes drilled into the bottom and side (shown above) was used for the sub-slab vapor (SSV) sample, with a bentonite seal around the base of the bucket to prevent infiltration of ambient air.



Photographs No. 7: A required helium test was performed (with a helium detector, pictured above) to ensure the integrity of the sampling procedures.



Photograph No. 8: One (1) indoor air sample was also collected, proximate to the SSV sample location within the northern portion of the building. Both the indoor air sample and the SSV sample were collected with 6-liter Summa canisters utilizing a 24-hour regulator.



Photograph Nos. 9 & 10: In addition to the air samples collected, one (1) soil sample was collected from the northwest portion of the building. The soil sample was collected from a soil boring installed utilizing a manually operated stainless steel hand auger, in a location where a two-inch diameter coring drill borehole was installed through the concrete slab prior to Preferred's Soil Vapor Intrusion Study, by others.



Air Sampling Monitoring Form

Sample ID	Date	Sample Time	Sampler Name	Sampling Method/Devices	Soil Vapor Purge Volume (one to three volumes)	Volume Extracted (Canister Size)	Canister Initial vacuum	Canister final vacuum	Apparent moisture content (dry, moist, saturated, etc.)	CoC Protocols
SSU-1	4.02.18	13:18	Matt Caponi	6L Summa + 24hr regulator	3 Volumes	6L	-27" Hg	-1" Hg	Dry	TO-15
IA-1	4.02.18	13:19	Matt Caponi	↓ ↓ ↓	0 Volumes	6L	>-30" Hg	-7" Hg	Dry	TO-15

Soil Vapor Sample Log Sheet	
Project Location and Job Number	4750 30th Street, L.I.C.
Sample ID	SSV-1
Date	4.02.18
Sample Type	IA (SSV) SG OA
Sample Depth/Height (ft)	2 inches below grade
Sampler ID	Matt Capani
Purge Start Time	13.18 4.02.18
Purge Finish time	12:15 4.03.18
Total Volume Purged	3 Volumes
Summa Canister Size	6 L
Summa Canister ID	23990
Regulator Time	24 hr
Regulator ID	Y3
Laboratory	York.
Notes (i.e., in saturated soils, dry, sand/gravel, odors, etc.)	
PID Screening after Soil Vapor collection	19.3 ppm
Helium Trace	Y (N)
Helium Detector Make and Model ID	MGD-2002
Helium detected (if yes at what concentration)	N/A
Analysis Requested	TO-15

Soil Vapor Sample Log Sheet	
Project Location and Job Number	4750 30th Street, LIC
Sample ID	IA-1
Date	4.02.18
Sample Type	(IA) SSV SG OA
Sample Depth/Height (ft)	4 feet above grade
Sampler ID	Matt Caponi
Purge Start Time	13:19 4.02.18
Purge Finish time	13:19 4.02.18
Total Volume Purged	N/A
Summa Canister Size	6L
Summa Canister ID	28842
Regulator Time	24hr.
Regulator ID	7420
Laboratory	York
Notes (i.e., in saturated soils, dry, sand/gravel, odors, etc.)	
PID Screening after Soil Vapor collection	
Helium Trace	Y N
Helium Detector Make and Model ID	
Helium detected (if yes at what concentration)	
Analysis Requested	TO-15

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Matthew Cagni Date/Time Prepared 4.02.18

Preparer's Affiliation _____ Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wechsler First Name: Ira

Address: 4750 30th St, Long Island City

County: Queens

Home Phone: _____ Office Phone: (347) 468-7881

Number of Occupants/persons at this location ~100 Age of Occupants ~45

2. OWNER OR LANDLORD: (Check if same as occupant ✓)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	~~Other:~~ _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Commercial Printing

Does it include residences (i.e., multi-use)? Y /(N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age ~1940s

Is the building insulated? (Y)/ N How air tight? Tight /(Average /) Not Tight

Roof is, floor is not

4. **AIRFLOW**

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other N/A
c. Basement floor:	concrete	dirt	stone	other N/A
d. Basement floor:	uncovered	covered	covered with N/A	
e. Concrete floor:	unsealed	sealed	sealed with Epoxy	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy N/A
i. The basement is:	finished	unfinished	partially finished N/A	
j. Sump present?	Y (N)			
k. Water in sump?	Y / N not applicable			

Basement/Lowest level depth below grade: N/A (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

None Present, cracks in walls

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other Forced HA. Ducts

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other N/A
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? N/A Full-time Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	N/A
1st Floor	Workshop / offices
2nd Floor	N/A
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N (NA) Please specify _____

d. Has the building ever had a fire? Y (N) When? _____

e. Is a kerosene or unvented gas space heater present? Y (N) Where? _____

f. Is there a workshop or hobby/craft area? (Y) N Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) N If yes, where vented? Roof

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: Tar

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Brass wash

If yes, are their clothes washed at work? Y (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
(Unknown)

Is there a radon mitigation system for the building/structure? Y (N) **Date of Installation:** _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

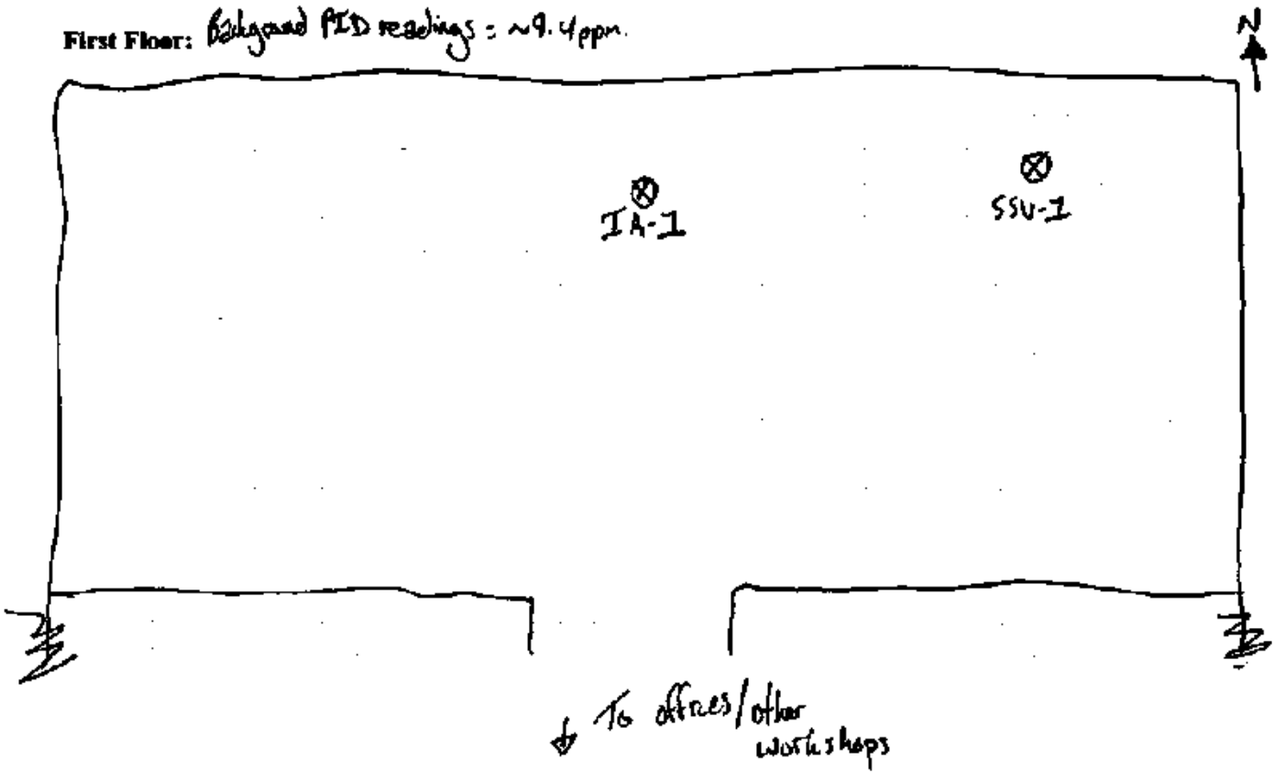
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

None Present

First Floor: Background PID readings = ~9.4ppm



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID Mini Rae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	See below					

* Describe the condition of the product containers as **Unopened (UO), Used (U), or Deteriorated (D)**
** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Note: No stored chemicals were observed in the building which represented potential sources of VOCs within ambient air.

ATTACHMENT C

LABORATORY ANALYTICAL REPORT & SOIL VAPOR DECISION MATRICES

Preferred Environmental Services

323 Merrick Avenue• N. Merrick New York 11566
Telephone: (516) 546-1100 • Facsimile: (516) 213-8156

Technical Report

prepared for:

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

Report Date: 04/10/2018
Client Project ID: 4750 30 Street Long Island City
York Project (SDG) No.: 18D0049

Report Date: 04/10/2018
Client Project ID: 4750 30 Street Long Island City
York Project (SDG) No.: 18D0049

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

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 April 03, 2018 and listed below. The project was identified as your project: **4750 30 Street Long Island City**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of 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
18D0049-01	SB-1 (1.5-2ft)	Soil	04/02/2018	04/03/2018

General Notes for York Project (SDG) No.: 18D0049

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/10/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-1 (1.5-2ft) **York Sample ID:** 18D0049-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0049	4750 30 Street Long Island City	Soil	April 2, 2018 12:25 pm	04/03/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	04/06/2018 12:30	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	04/06/2018 12:30	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	04/06/2018 12:30	RDS
95-63-6	**1,2,4-Trimethylbenzene**	**3.6**	J	ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	61	250	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	04/06/2018 12:30	RDS
78-93-3	2-Butanone	ND		ug/kg dry	3.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS

Sample Information

Client Sample ID: SB-1 (1.5-2ft) **York Sample ID:** 18D0049-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0049	4750 30 Street Long Island City	Soil	April 2, 2018 12:25 pm	04/03/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
67-64-1	**Acetone**	**77**	CCV-E, SCAL-E	ug/kg dry	6.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
107-02-8	Acrolein	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
71-43-2	Benzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-25-2	Bromoform	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-00-3	Chloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
74-87-3	Chloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS

Sample Information

Client Sample ID: SB-1 (1.5-2ft) **York Sample ID:** 18D0049-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0049	4750 30 Street Long Island City	Soil	April 2, 2018 12:25 pm	04/03/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
95-47-6	o-Xylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	04/06/2018 12:30	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	04/06/2018 12:30	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
100-42-5	Styrene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.1	12	1	EPA 8260C Certifications:	04/06/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	04/06/2018 12:30	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
127-18-4	**Tetrachloroethylene**	**100**		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
108-88-3	Toluene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications:	04/06/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	04/06/2018 12:30	RDS

Sample Information

Client Sample ID: SB-1 (1.5-2ft) **York Sample ID:** 18D0049-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0049	4750 30 Street Long Island City	Soil	April 2, 2018 12:25 pm	04/03/2018

Volatile Organics, 8260 - Comprehensive

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/06/2018 07:30	04/06/2018 12:30	RDS
								Certifications: CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/06/2018 07:30	04/06/2018 12:30	RDS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/06/2018 07:30	04/06/2018 12:30	RDS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/06/2018 07:30	04/06/2018 12:30	RDS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.2	18	1	EPA 8260C	04/06/2018 07:30	04/06/2018 12:30	RDS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ			

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*90.9 %*		*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*122 %*	S-08	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.1 %*		*76-130*

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.3**		%	0.100	1	SM 2540G	04/09/2018 09:58	04/09/2018 13:01	TAJ
							Certifications: CTDOH			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18D0049-01	SB-1 (1.5-2ft)	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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

Field Chain-of-Custody Record

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

York Project No. 18D0049

YOUR Information

Company: Preferred Env.
Address: 383 Merrick Ave.
N. Merrick NY 11566
Phone No: 516-546-1100
Contact Person: Bill Schlageter
E-Mail Address: Bschlageter@preferredenv.com

Report To:

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

Invoice To:

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

YOUR Project ID

4750 30 Street
Long Island City.

Purchase Order No.

PRE-18-099

Samples from: CT ___ NY X NJ ___

Turn-Around Time

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

Report Type

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

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet X

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

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)

Nicole Clarity
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 (circled)	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360 Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360 Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 (Extended)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360 (Extended)	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP (circled)	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC (circled)	Asbestos
8021B list		SPLP or TCLP	608 PCB		Hellium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 (1.5-2ft)	4.2.18/1225	S	Full List VOCs. 8260	(1) terracore kit

Comments

Preservation Check those Applicable
4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time 4/3/18 930 pm
Samples Relinquished By — Date/Time

Samples Received By — Date/Time 4/3/18 930pm
Samples Received in LAB by — Date/Time 4/3/18 1917

Temperature on Receipt 2.2 °C

Technical Report

prepared for:

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

Report Date: 04/11/2018
Client Project ID: 47-50 30th Street LIC, NY
York Project (SDG) No.: 18D0119

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/11/2018
Client Project ID: 47-50 30th Street LIC, NY
York Project (SDG) No.: 18D0119

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

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 April 04, 2018 and listed below. The project was identified as your project: **47-50 30th Street LIC, NY**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of 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
18D0119-01	IA-1 (Reg#7420)	Indoor Ambient Air	04/03/2018	04/04/2018

General Notes for York Project (SDG) No.: 18D0119

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/11/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **IA-1 (Reg#7420)** **York Sample ID:** **18D0119-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0119	47-50 30th Street LIC, NY	Indoor Ambient Air	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.37	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.29	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.37	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.41	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.29	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.22	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**0.085**		ug/m³	0.053	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.40	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1300**	IS-LO	ug/m³	8.1	16.48	EPA TO-15	04/09/2018 15:39	04/09/2018 15:39	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.41	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.32	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.22	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.25	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.37	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**430**	IS-LO	ug/m³	8.1	16.48	EPA TO-15	04/09/2018 15:39	04/09/2018 15:39	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.35	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.32	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.25	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.32	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.38	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.4**		ug/m³	0.16	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-1 (Reg#7420) **York Sample ID:** 18D0119-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0119	47-50 30th Street LIC, NY	Indoor Ambient Air	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* **2-Hexanone**	**4.7**		ug/m³	0.44	0.533	EPA TO-15 Certifications:	04/06/2018 09:50	04/06/2018 21:03	LDS
107-05-1	3-Chloropropene	ND		ug/m³	0.83	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
67-64-1	**Acetone**	**220**		ug/m³	7.8	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/09/2018 15:39	04/09/2018 15:39	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.12	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
71-43-2	**Benzene**	**0.89**		ug/m³	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.28	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.36	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
75-25-2	Bromoform	ND		ug/m³	0.55	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
74-83-9	Bromomethane	ND		ug/m³	0.21	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
75-15-0	**Carbon disulfide**	**0.43**		ug/m³	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
56-23-5	**Carbon tetrachloride**	**0.27**		ug/m³	0.084	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
75-00-3	Chloroethane	ND		ug/m³	0.14	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
67-66-3	**Chloroform**	**0.65**		ug/m³	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
74-87-3	**Chloromethane**	**0.66**		ug/m³	0.11	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
156-59-2	**cis-1,2-Dichloroethylene**	**0.063**		ug/m³	0.053	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.24	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
110-82-7	**Cyclohexane**	**7.2**		ug/m³	0.18	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.45	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
75-71-8	**Dichlorodifluoromethane**	**1.2**		ug/m³	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/06/2018 09:50	04/06/2018 21:03	LDS
141-78-6	* **Ethyl acetate**	**1.6**		ug/m³	0.38	0.533	EPA TO-15 Certifications:	04/06/2018 09:50	04/06/2018 21:03	LDS

Sample Information

Client Sample ID: **IA-1 (Reg#7420)** **York Sample ID:** **18D0119-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0119	47-50 30th Street LIC, NY	Indoor Ambient Air	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**10**		ug/m³	0.23	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.57	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**150**	E	ug/m³	0.26	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	**Methyl Methacrylate**	**3.0**		ug/m³	0.22	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.19	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**5.2**		ug/m³	0.37	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**33**		ug/m³	0.22	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**8.6**		ug/m³	0.19	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**37**		ug/m³	0.23	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**40**		ug/m³	0.46	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**370**	IS-LO	ug/m³	8.1	16.48	EPA TO-15	04/09/2018 15:39	04/09/2018 15:39	LDS
							Certifications:			
115-07-1	*** Propylene**	**1.6**		ug/m³	0.092	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.23	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**1700**		ug/m³	2.8	16.48	EPA TO-15	04/09/2018 15:39	04/09/2018 15:39	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.31	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:			
108-88-3	**Toluene**	**82**		ug/m³	0.20	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.21	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.24	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**15**		ug/m³	0.072	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**0.84**		ug/m³	0.30	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.19	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.23	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 (Reg#7420)

York Sample ID: 18D0119-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0119	47-50 30th Street LIC, NY	Indoor Ambient Air	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.034	0.533	EPA TO-15	04/06/2018 09:50	04/06/2018 21:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample and Data Qualifiers Relating to This Work Order

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

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

York Project No. 18D0119

YOUR Information
Company: Preferred Environmental Services
Address: 323 Merrick Ave
Merrick, NY 11566
Phone No: (516) 546-1100
Contact Person: Bill Schlageter
E-Mail Address: bschlageter@preferredenv.com

Report To:
Company:
Address: SAME
Phone No:
Attention:
E-Mail Address:

Invoice To:
Company:
Address: SAME
Phone No:
Attention:
E-Mail Address:

YOUR Project ID
47-50 30th Street
LIC, NY

Purchase Order No.
PRE-18-039

Samples from: CT NY X NJ

Turn-Around Time
RUSH - Same Day
RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard(5-7 Days) X

Report Type/Deliverables
Summary Report X
Summary w/ QA Summary
CT RCP Package
NY ASP A Package
NY ASP B/CLP Pkg
NJDEP Reduced
Electronic Deliverables:
EDD (Specify Type)
Standard Excel X
Regulatory Comparison Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Matthew Capou
Name (printed)

Air Matrix Codes
AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses
EPA TO-15 List
NYSDEC VI list
NYSDEC STARS List
Project Specific List by TO-15
NJDEP Target List
CTDEP RCP Target List
EPA TO-14A List
Tentatively Identified Compounds
Air VPH
Helium
Methane
OTHER

Detection Limits Required
≤ 1 ug/m³
NYSDEC VI Limits X
NJDEP low level
Routine Survey
Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
IA-1 (Req#7420)	4/2/18 - 4/3/18	AI	-30 in Hg	-7 in Hg	TO-15	6 Liter Summa canister X / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments

Samples Relinquished By — Date/Time: 4/4/18 4:46
Samples Relinquished By — Date/Time: 4/4/18 15:45

Samples Received By: Patty Elo — Date/Time: 4/4/18 9:46
Samples Received in LAB by: P. Zolnowski — Date/Time: 4-4-18 1545

Technical Report

prepared for:

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

Report Date: 04/11/2018
Client Project ID: 47-50 30th Street LIC, NY
York Project (SDG) No.: 18D0122

Report Date: 04/11/2018
Client Project ID: 47-50 30th Street LIC, NY
York Project (SDG) No.: 18D0122

Preferred Env. Services
323 Merrick Ave
North Merrick NY, 11566
Attention: Bill Schlageter

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 April 04, 2018 and listed below. The project was identified as your project: **47-50 30th Street LIC, NY**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of 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
18D0122-01	SSV-1 (Reg#Y3)	Soil Vapor	04/03/2018	04/04/2018

General Notes for York Project (SDG) No.: 18D0122

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/11/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SSV-1 (Reg#Y3) **York Sample ID:** 18D0122-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0122	47-50 30th Street LIC, NY	Soil Vapor	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.95	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.76	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.95	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.76	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.56	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.14	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**550**	IS-LO	ug/m³	6.8	13.86	EPA TO-15	04/09/2018 16:40	04/09/2018 16:40	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.1	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.56	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.64	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.97	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**140**		ug/m³	0.68	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.92	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.64	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.83	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.0	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**5.6**		ug/m³	0.41	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SSV-1 (Reg#Y3) **York Sample ID:** 18D0122-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0122	47-50 30th Street LIC, NY	Soil Vapor	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.2	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.57	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**390**		ug/m³	6.6	13.86	EPA TO-15	04/09/2018 16:40	04/09/2018 16:40	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.30	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**4.6**		ug/m³	0.44	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.72	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.93	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.4	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.54	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**1.7**		ug/m³	0.43	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.52**		ug/m³	0.22	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.64	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.37	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**8.1**		ug/m³	0.68	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**0.40**		ug/m³	0.29	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**5.0**		ug/m³	0.14	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.63	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**3.6**		ug/m³	0.48	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	0.69	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.0	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			

Sample Information

Client Sample ID: SSV-1 (Reg#Y3) **York Sample ID:** 18D0122-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0122	47-50 30th Street LIC, NY	Soil Vapor	April 3, 2018 3:00 pm	04/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**15**		ug/m³	0.60	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.5	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**12**		ug/m³	0.68	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	**Methyl Methacrylate**	**14**		ug/m³	0.57	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**5.0**		ug/m³	0.50	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**25**		ug/m³	0.96	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**27**		ug/m³	0.57	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**15**		ug/m³	0.49	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**34**		ug/m³	0.60	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**57**		ug/m³	1.2	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* **p-Ethyltoluene**	**160**	IS-LO	ug/m³	6.8	13.86	EPA TO-15	04/09/2018 16:40	04/09/2018 16:40	LDS
							Certifications:			
115-07-1	* **Propylene**	**0.81**		ug/m³	0.24	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.59	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**17000**		ug/m³	19	110.88	EPA TO-15	04/10/2018 17:06	04/10/2018 17:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.82	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications:			
108-88-3	**Toluene**	**59**		ug/m³	0.52	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.55	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.63	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**98**		ug/m³	0.19	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.78	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.49	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.61	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.089	1.386	EPA TO-15	04/06/2018 09:50	04/06/2018 22:08	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SSV-1 (Reg#Y3)** **York Sample ID:** **18D0122-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D0122	47-50 30th Street LIC, NY	Soil Vapor	April 3, 2018 3:00 pm	04/04/2018

Sample and Data Qualifiers Relating to This Work Order

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

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

York Project No. 18D0122

YOUR Information
Company: Preferred Environmental Services
Address: 323 Merrick Ave
Merrick, NY 11566
Phone No. (516) 546-1100
Contact Person: Bill Schlageter
E-Mail Address: bschlageter@preferredenv.com

Report To:
Company:
Address: SAME
Phone No:
Attention:
E-Mail Address:

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

YOUR Project ID
47-50 30th Street
LIC, NY

Purchase Order No.
PRE-18-039

Samples from: CT NY X NJ

Turn-Around Time
RUSH - Same Day
RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard(5-7 Days) X

Report Type/Deliverables
Summary Report X
Summary w/ QA Summaries
CT RCP Package
NY ASP A Package
NY ASP B/CLP Pkg
NJDEP Reduced
Electronic Deliverables:
EDD (Specify Type)
Standard Excel X
Regulatory Comparison Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Matthew Capone
Name (printed)

Air Matrix Codes
AI - INDOOR Ambient Air
AO - OUTDOOR Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses
EPA TO-15 List
EPA TO-14A List
NYSDEC VI list
Tentatively Identified Compounds
NYSDEC STARS List
Air VPH
Project Specific List by TO-15
Helium
NJDEP Target List
Methane
CTDEP RCP Target List
OTHER

Detection Limits Required
≤ 1 ug/m³
NYSDEC VI Limits X
NJDEP low level
Routine Survey
Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SSV-1 (Reg # Y3)	4/2/18-4/3/18	AS	-27 in Hg	-1 in Hg	TO-15	6 Liter Summa canister X / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments

Samples Relinquished By — Date/Time: 4/4/18 - 9:46
Samples Relinquished By: Patty Elo — Date/Time: 4/4/18 15:45

Samples Received By: Patty Elo — Date/Time: 4/4/18 9:46
Samples Received in LAB by — Date/Time: 4-4-18 1545

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Attachment D

Field Notes

Vapor Intrusion Sample Log

Date: 9/21/2018
IEC Project #: 13123
Project Name/Address: 47-50 30th Street, Long Island City

Investigator: Mike Cotton
Weather: Sunny
Temp (°F): 70°F

Sample ID	Sample Type (IA, SS, A)	Location (e.g., basement, etc.)	Can ID	Flow ID	PID Reading (ppm)	Start/End Time	Start/End Press.	Sample Duration	Misc. Observation Notes
SV-1	SS	North Side of the Site on the ground floor	1724	695	10.1	7:08 - 14:45	- 30.29 / -0.14	8 hr	
SV-2	SS	Central portion of the Site on the ground floor	173	971	9.5	7:04 - 14:30	- 30.33 / -0.10	8 hr	
SV-3	SS	South Side of the Site on the ground floor	2308	973	1.6	6:58 - 14:16	- 30.81 / -0.20	8 hr	
IA-1	IA	North Side of the Site on the ground floor	2230	854	N/A	7:09 - 14:47	- 30.01 / -0.12	8 hr	
IA-2	IA	Central portion of the Site on the ground floor	329	734	N/A	7:05 - 14:31	- 29.94 / -0.09	8 hr	
IA-3	IA	South Side of the Site on the ground floor	202	856	N/A	7:13 - 14:17	- 30.16 / -0.10	8 hr	

*__IA__ = Indoor Air, __SV__ = Soil Vapor, and __A__ = Ambient

Checklist Items:

1) Chemical inventory
2) HVAC System Active: use of heating or air conditioning system?
3) Floor layout sketch w/ sample locations shown
4) Floor Plan Sketch
5) Significant precipitation with 12 hour prior to (or during) the sample event?

Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800	Project #: 13123-01	**BORING ID**
	Site/Project Name: 47-50 30th Street	**B-1/TW-1**
	Site Address: 47-50 30th Street, Queens, NY 11235	
	Weather: Sunny	Total Depth: 15' BSG
	Geologist: Leif Robertson	GW Encountered: ≈ 8' BSG
Start Date: September 20, 2018	Drilling Company: Impact Environmental Closures	GW Stabilized: 8.61' BSG
Start Time: 10:00 AM	Driller: Steven Bitteto	GPS Coordinates:
Completion Date: September 20, 2018	Drill Rig: GeoProbe 420M	X: 40.741784
Completion Time: 10:46 AM	Sampler Type/Length: 2.25" ID Direct Push	Y: -73.938431

Depth (ft.)	PID/FID/OVM	Sample ID and Depth	Recovery (inches)	Soil Type	SOIL/GEOLOGIC DESCRIPTION	Well Construction
1			40%	N/A	0-6.5': Historic Fill Material	
2						
3	1.9					
4			<20%			
5						
6						
7		B-1	40%	SP	6.5'-9': Brown Find to Coarse SAND, Some Silt and Gravel	
8	0.0					
					Groundwater Interface Observed	
9			60%	SP	9'-10.5': Brown Find to Coarse SAND, Some Silt and Trace Gravel	
10	0.1					
11	0.0			SP	10.5'-12': Dark Brown Find to Coarse SAND, Some Silt	
12						
13			<25%	SP	12'-15': Dark Brown Fine to Coarse SAND, Some Silt and and Gravel	
14	0.9					
15						

Impact Environmental Closures, Inc. 170 Keyland Court Bohemia, NY 11716 P. (631) 269-8800	Project #: 13123-01 Site/Project Name: 47-50 30th Street Site Address: 47-50 30th Street, Queens, NY 11235	**BORING ID** **B-2/TW-2**
	Weather: Sunny	Total Depth: 15' BSG
	Geologist: Leif Robertson	GW Encountered: ≈ 9.5' BSG
Start Date: September 20, 2018	Drilling Company: Impact Environmental Closures	GW Stabilized: 9.66' BSG
Start Time: 11:00 AM	Driller: Steven Bitteto	GPS Coordinates:
Completion Date: September 20, 2018	Drill Rig: GeoProbe 420M	X: 40.741768
Completion Time: 12:05 PM	Sampler Type/Length: 2.25" ID Direct Push	Y: -73.938238

Depth (ft.)	PID/FID/OVM	Sample ID and Depth	Recovery (inches)	Soil Type	SOIL/GEOLOGIC DESCRIPTION	Well Construction
1			30%			
2						
3						
4	0.0		40%	N/A	0-8': Historic Fill Material	
5						
6						
7			30%			
8		B-2				
9	0.2			SP	8'-10': Dark Brown Find to Coarse SAND, Some Gravel	
					Groundwater Interface Observed	
10			50%			
11						
12						
13	0.0		75%	SP	10'-15': Brown Find to Coarse SAND, Some Silt and Gravel	
14						
15						



Photograph No. 1: View of northern warehouse area



Photograph No. 2: View of the northern warehouse area



Photograph No. 3: Representative view of interior drilling locations



Photograph No. 4: Representative view of interior drilling locations



Photograph No. 5: View of northern exterior wall conditions



Photograph No. 6: View of western exterior wall conditions in northern warehouse area

Attachment E

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L1838130
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	30TH STREET LIC
Project Number:	13123
Report Date:	10/03/18

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1838130-01	B-1	SOIL	47-50 30TH STREET, LONG ISLAND CITY, NY	09/20/18 09:45	09/24/18
L1838130-02	B-2	SOIL	47-50 30TH STREET, LONG ISLAND CITY, NY	09/20/18 11:10	09/24/18
L1838130-03	TW-1	WATER	47-50 30TH STREET, LONG ISLAND CITY, NY	09/20/18 12:00	09/24/18
L1838130-04	TW-2	WATER	47-50 30TH STREET, LONG ISLAND CITY, NY	09/20/18 12:45	09/24/18
L1838130-05	TW-3	WATER	47-50 30TH STREET, LONG ISLAND CITY, NY	09/20/18 13:00	09/24/18

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	30TH STREET LIC	**Lab Number:**	L1838130
Project Number:	13123	**Report Date:**	10/03/18

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

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

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: Amita Naik

Title: Technical Director/Representative Date: 10/03/18

ORGANICS

VOLATILES

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-01
Client ID: B-1
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY
Date Collected: 09/20/18 09:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/02/18 16:39
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	0.95		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-01 Date Collected: 09/20/18 09:45

Client ID: B-1 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	22		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-01 Date Collected: 09/20/18 09:45

Client ID: B-1 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	98	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-02
Client ID: B-2
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY
Date Collected: 09/20/18 11:10
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/02/18 17:07
Analyst: NLK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	1.7	1
1,1-Dichloroethane	ND		ug/kg	0.74	0.11	1
Chloroform	ND		ug/kg	1.1	0.10	1
Carbon tetrachloride	ND		ug/kg	0.74	0.17	1
1,2-Dichloropropane	ND		ug/kg	0.74	0.09	1
Dibromochloromethane	ND		ug/kg	0.74	0.10	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	0.20	1
Tetrachloroethene	10		ug/kg	0.37	0.14	1
Chlorobenzene	ND		ug/kg	0.37	0.09	1
Trichlorofluoromethane	ND		ug/kg	2.9	0.51	1
1,2-Dichloroethane	ND		ug/kg	0.74	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	0.12	1
Bromodichloromethane	ND		ug/kg	0.37	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	0.12	1
1,1-Dichloropropene	ND		ug/kg	0.37	0.12	1
Bromoform	ND		ug/kg	2.9	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	0.12	1
Benzene	ND		ug/kg	0.37	0.12	1
Toluene	ND		ug/kg	0.74	0.40	1
Ethylbenzene	ND		ug/kg	0.74	0.10	1
Chloromethane	ND		ug/kg	2.9	0.68	1
Bromomethane	ND		ug/kg	1.5	0.43	1
Vinyl chloride	ND		ug/kg	0.74	0.25	1
Chloroethane	ND		ug/kg	1.5	0.33	1
1,1-Dichloroethene	ND		ug/kg	0.74	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.10	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-02 Date Collected: 09/20/18 11:10

Client ID: B-2 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.10	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.15	1
p/m-Xylene	ND		ug/kg	1.5	0.41	1
o-Xylene	ND		ug/kg	0.74	0.21	1
Xylenes, Total	ND		ug/kg	0.74	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	0.10	1
Dibromomethane	ND		ug/kg	1.5	0.18	1
Styrene	ND		ug/kg	0.74	0.14	1
Dichlorodifluoromethane	ND		ug/kg	7.4	0.67	1
Acetone	ND		ug/kg	7.4	3.5	1
Carbon disulfide	ND		ug/kg	7.4	3.3	1
2-Butanone	ND		ug/kg	7.4	1.6	1
Vinyl acetate	ND		ug/kg	7.4	1.6	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	0.09	1
2-Hexanone	ND		ug/kg	7.4	0.87	1
Bromochloromethane	ND		ug/kg	1.5	0.15	1
2,2-Dichloropropane	ND		ug/kg	1.5	0.15	1
1,2-Dibromoethane	ND		ug/kg	0.74	0.20	1
1,3-Dichloropropane	ND		ug/kg	1.5	0.12	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	0.10	1
Bromobenzene	ND		ug/kg	1.5	0.11	1
n-Butylbenzene	ND		ug/kg	0.74	0.12	1
sec-Butylbenzene	ND		ug/kg	0.74	0.11	1
tert-Butylbenzene	ND		ug/kg	1.5	0.09	1
o-Chlorotoluene	ND		ug/kg	1.5	0.14	1
p-Chlorotoluene	ND		ug/kg	1.5	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	0.73	1
Hexachlorobutadiene	ND		ug/kg	2.9	0.12	1
Isopropylbenzene	ND		ug/kg	0.74	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.74	0.08	1
Naphthalene	0.52	J	ug/kg	2.9	0.48	1
Acrylonitrile	ND		ug/kg	2.9	0.84	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-02 Date Collected: 09/20/18 11:10

Client ID: B-2 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.74	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.20	1
1,3,5-Trimethylbenzene	0.15	J	ug/kg	1.5	0.14	1
1,2,4-Trimethylbenzene	0.43	J	ug/kg	1.5	0.24	1
1,4-Dioxane	ND		ug/kg	74	26.	1
p-Diethylbenzene	0.26	J	ug/kg	1.5	0.13	1
p-Ethyltoluene	ND		ug/kg	1.5	0.28	1
1,2,4,5-Tetramethylbenzene	0.32	J	ug/kg	1.5	0.14	1
Ethyl ether	ND		ug/kg	1.5	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.7	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-03
Client ID: TW-1
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY
Date Collected: 09/20/18 12:00
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/02/18 10:21
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	98		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-03 Date Collected: 09/20/18 12:00

Client ID: TW-1 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-03 Date Collected: 09/20/18 12:00

Client ID: TW-1 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	119		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-04
Client ID: TW-2
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY
Date Collected: 09/20/18 12:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/02/18 09:52
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	170		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-04 Date Collected: 09/20/18 12:45

Client ID: TW-2 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.91		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	10		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-04 Date Collected: 09/20/18 12:45

Client ID: TW-2 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	120		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-05
Client ID: TW-3
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY
Date Collected: 09/20/18 13:00
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/02/18 10:49
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.39	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-05 Date Collected: 09/20/18 13:00

Client ID: TW-3 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	49		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 30TH STREET LIC **Lab Number:** L1838130

Project Number: 13123 **Report Date:** 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-05 Date Collected: 09/20/18 13:00

Client ID: TW-3 Date Received: 09/24/18

Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	120		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1163258-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1163258-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05 Batch: WG1163258-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	121		70-130

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 16:12
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1163580-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 16:12
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1163580-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838130
Report Date: 10/03/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/02/18 16:12
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1163580-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1163258-3 WG1163258-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	96		98		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	92		96		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	98		99		75-130	1		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
1,1-Dichloropropene	97		97		70-130	0		20
Bromoform	96		99		54-136	3		20
1,1,2,2-Tetrachloroethane	84		90		67-130	7		20
Benzene	78		77		70-130	1		20
Toluene	95		93		70-130	2		20
Ethylbenzene	93		94		70-130	1		20
Chloromethane	88		88		64-130	0		20
Bromomethane	49		**34**	Q	39-139	**36**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838130

Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1163258-3 WG1163258-4								
Vinyl chloride	100		97		55-140	3		20
Chloroethane	100		97		55-138	3		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	93		97		70-130	4		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	92		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	82		87		64-130	6		20
Acrylonitrile	93		97		70-130	4		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	140		140		36-147	0		20
Acetone	84		71		58-148	17		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	77		83		63-138	8		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	76		78		59-130	3		20
2-Hexanone	58		62		57-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838130

Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1163258-3 WG1163258-4								
Bromochloromethane	120		120		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		95		70-130	2		20
1,3-Dichloropropane	89		92		70-130	3		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	95		96		70-130	1		20
n-Butylbenzene	91		93		53-136	2		20
sec-Butylbenzene	91		94		70-130	3		20
tert-Butylbenzene	90		94		70-130	4		20
o-Chlorotoluene	89		91		70-130	2		20
p-Chlorotoluene	85		88		70-130	3		20
1,2-Dibromo-3-chloropropane	80		91		41-144	13		20
Hexachlorobutadiene	98		100		63-130	2		20
Isopropylbenzene	88		90		70-130	2		20
p-Isopropyltoluene	92		96		70-130	4		20
Naphthalene	78		84		70-130	7		20
n-Propylbenzene	88		90		69-130	2		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	89		93		70-130	4		20
1,3,5-Trimethylbenzene	90		93		64-130	3		20
1,2,4-Trimethylbenzene	**140**	Q	**140**	Q	70-130	0		20
1,4-Dioxane	96		96		56-162	0		20
p-Diethylbenzene	90		94		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838130

Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05 Batch: WG1163258-3 WG1163258-4								
p-Ethyltoluene	92		95		70-130	3		20
1,2,4,5-Tetramethylbenzene	85		88		70-130	3		20
Ethyl ether	87		89		59-134	2		20
trans-1,4-Dichloro-2-butene	**68**	Q	73		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	88		87		70-130
Dibromofluoromethane	112		112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1163580-3 WG1163580-4								
Methylene chloride	102		98		70-130	4		30
1,1-Dichloroethane	104		100		70-130	4		30
Chloroform	104		102		70-130	2		30
Carbon tetrachloride	92		90		70-130	2		30
1,2-Dichloropropane	107		104		70-130	3		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	113		112		70-130	1		30
Tetrachloroethene	95		90		70-130	5		30
Chlorobenzene	100		96		70-130	4		30
Trichlorofluoromethane	137		129		70-139	6		30
1,2-Dichloroethane	96		94		70-130	2		30
1,1,1-Trichloroethane	96		91		70-130	5		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	103		104		70-130	1		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	83		85		70-130	2		30
1,1,2,2-Tetrachloroethane	113		113		70-130	0		30
Benzene	115		110		70-130	4		30
Toluene	117		112		70-130	4		30
Ethylbenzene	117		112		70-130	4		30
Chloromethane	72		80		52-130	11		30
Bromomethane	135		128		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1163580-3 WG1163580-4								
Vinyl chloride	108		103		67-130	5		30
Chloroethane	132		126		50-151	5		30
1,1-Dichloroethene	**144**	Q	91		65-135	**45**	Q	30
trans-1,2-Dichloroethene	100		95		70-130	5		30
Trichloroethene	100		97		70-130	3		30
1,2-Dichlorobenzene	103		100		70-130	3		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	106		102		70-130	4		30
Methyl tert butyl ether	87		87		66-130	0		30
p/m-Xylene	111		107		70-130	4		30
o-Xylene	102		98		70-130	4		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	97		95		70-130	2		30
Styrene	101		98		70-130	3		30
Dichlorodifluoromethane	68		62		30-146	9		30
Acetone	116		117		54-140	1		30
Carbon disulfide	98		80		59-130	20		30
2-Butanone	82		74		70-130	10		30
Vinyl acetate	**64**	Q	**64**	Q	70-130	0		30
4-Methyl-2-pentanone	96		96		70-130	0		30
1,2,3-Trichloropropane	114		115		68-130	1		30
2-Hexanone	84		86		70-130	2		30
Bromochloromethane	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1163580-3 WG1163580-4								
2,2-Dichloropropane	96		92		70-130	4		30
1,2-Dibromoethane	103		102		70-130	1		30
1,3-Dichloropropane	112		112		69-130	0		30
1,1,1,2-Tetrachloroethane	90		89		70-130	1		30
Bromobenzene	99		95		70-130	4		30
n-Butylbenzene	**132**	Q	124		70-130	6		30
sec-Butylbenzene	123		115		70-130	7		30
tert-Butylbenzene	114		107		70-130	6		30
o-Chlorotoluene	122		116		70-130	5		30
p-Chlorotoluene	118		111		70-130	6		30
1,2-Dibromo-3-chloropropane	91		93		68-130	2		30
Hexachlorobutadiene	102		97		67-130	5		30
Isopropylbenzene	118		111		70-130	6		30
p-Isopropyltoluene	116		109		70-130	6		30
Naphthalene	100		101		70-130	1		30
Acrylonitrile	105		104		70-130	1		30
n-Propylbenzene	127		118		70-130	7		30
1,2,3-Trichlorobenzene	98		99		70-130	1		30
1,2,4-Trichlorobenzene	102		100		70-130	2		30
1,3,5-Trimethylbenzene	116		110		70-130	5		30
1,2,4-Trimethylbenzene	115		109		70-130	5		30
1,4-Dioxane	105		107		65-136	2		30
p-Diethylbenzene	112		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838130

Report Date: 10/03/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1163580-3 WG1163580-4								
p-Ethyltoluene	114		107		70-130	6		30
1,2,4,5-Tetramethylbenzene	105		101		70-130	4		30
Ethyl ether	124		128		67-130	3		30
trans-1,4-Dichloro-2-butene	97		99		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	109		107		70-130
Dibromofluoromethane	93		93		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-01
Client ID: B-1
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY

Date Collected: 09/20/18 09:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	10/02/18 10:03	121,2540G	RI

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

SAMPLE RESULTS

Lab ID: L1838130-02
Client ID: B-2
Sample Location: 47-50 30TH STREET, LONG ISLAND CITY, NY

Date Collected: 09/20/18 11:10
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	10/02/18 10:03	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838130

Report Date: 10/03/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1163110-1 QC Sample: L1839483-01 Client ID: DUP Sample						
Solids, Total	84.1	85.4	%	2		20

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838130
Report Date: 10/03/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1838130-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TS(7),NYTCL-8260(14)
L1838130-01X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-01Y	Vial Water preserved split	A	NA		3.9	Y	Absent	**02-OCT-18 00:00**	NYTCL-8260(14)
L1838130-01Z	Vial Water preserved split	A	NA		3.9	Y	Absent	**02-OCT-18 00:00**	NYTCL-8260(14)
L1838130-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TS(7),NYTCL-8260(14)
L1838130-02X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-02Y	Vial Water preserved split	A	NA		3.9	Y	Absent	**02-OCT-18 00:00**	NYTCL-8260(14)
L1838130-02Z	Vial Water preserved split	A	NA		3.9	Y	Absent	**02-OCT-18 00:00**	NYTCL-8260(14)
L1838130-03X	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-03Y	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-03Z	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-04X	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-04Y	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-04Z	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-05X	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-05Y	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L1838130-05Z	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	30TH STREET LIC	**Lab Number:**	L1838130
Project Number:	13123	**Report Date:**	10/03/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	30TH STREET LIC	**Lab Number:**	L1838130
Project Number:	13123	**Report Date:**	10/03/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	30TH STREET LIC	**Lab Number:**	L1838130
Project Number:	13123	**Report Date:**	10/03/18

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: Alpha L1838130

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia **State:** NY **Zip:** 11716
Project Contact: Greg Mendez-Chicas
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: gmendezchicas@impactenvironmental.com

Project Information

Project Name: 36th Street LIC
Street: 47-36 36th Street
City: Long Island City **State:** NY **Zip:**
Project #: 13123
Sampler's Name: Leif Robertson
Sampler's Signature:

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analyte List)	TCL/TAL VOCs (8260) (HOLD)					(LAB USE ONLY)
	1 B-1	13123	S	G	9/20	9:45	1		X										X					
	2 B-2	13123	S	G	9/20	11:10	1		X										X					
	3 TW-1	13123	GW	G	9/20	12:00	3		X	X									X					
	4 TW-2	13123	GW	G	9/20	12:45	3		X	X									X					
	5 TW-3	13123	GW	G	9/20	13:00	3		X	X									X					
	6																							
	7																							
	8																							
	9																							
	10																							

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

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [ ] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *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)
- [ ] PA QC Package
- [ ] 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)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

* Submit All Samples on Hold *

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	Maria Mendez	9/24/18 14:03		2	9/24/18 19:20	2 Paul Mazzella
3	Relinquished by: Paul Mazzella	Date / Time: 9/25/18 12:30	Received By:	Relinquished By: 4	Date / Time: 4	Received By: 4
5	Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp: pH: [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

Serial_No:10031813:25

ANALYTICAL REPORT

Lab Number:	L1838188
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Greg Mendez-Chicas
Phone:	(631) 269-8800
Project Name:	30TH STREET LIC
Project Number:	13123
Report Date:	09/28/18

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: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1838188-01	SV-1	SOIL_VAPOR	47-50 30TH STREET, LIC	09/21/18 14:45	09/24/18
L1838188-02	SV-2	SOIL_VAPOR	47-50 30TH STREET, LIC	09/21/18 14:30	09/24/18
L1838188-03	SV-3	SOIL_VAPOR	47-50 30TH STREET, LIC	09/21/18 14:16	09/24/18
L1838188-04	IA-1	AIR	47-50 30TH STREET, LIC	09/21/18 14:47	09/24/18
L1838188-05	IA-2	AIR	47-50 30TH STREET, LIC	09/21/18 14:31	09/24/18
L1838188-06	IA-3	AIR	47-50 30TH STREET, LIC	09/21/18 14:17	09/24/18
L1838188-07	UNUSED CAN #182	AIR	47-50 30TH STREET, LIC		09/24/18

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 30TH STREET LIC **Lab Number:** L1838188
Project Number: 13123 **Report Date:** 09/28/18

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 19, 2018. The canister certification results are provided as an addendum.

L1838188-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1838188-02, -03 results for Tetrahydrofuran should be considered estimated due to co-elution with a non-target peak.

L1838188-06: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1838188-04 and -05: The samples were re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/28/18

AIR

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-01 D
Client ID: SV-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/18 00:29
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	14.1	--	ND	69.7	--		70.42
Chloromethane	ND	14.1	--	ND	29.1	--		70.42
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	14.1	--	ND	98.6	--		70.42
Vinyl chloride	ND	14.1	--	ND	36.0	--		70.42
1,3-Butadiene	ND	14.1	--	ND	31.2	--		70.42
Bromomethane	ND	14.1	--	ND	54.8	--		70.42
Chloroethane	ND	14.1	--	ND	37.2	--		70.42
Ethyl Alcohol	ND	352	--	ND	663	--		70.42
Vinyl bromide	ND	14.1	--	ND	61.6	--		70.42
Acetone	ND	70.4	--	ND	167	--		70.42
Trichlorofluoromethane	ND	14.1	--	ND	79.2	--		70.42
iso-Propyl Alcohol	62.0	35.2	--	152	86.5	--		70.42
1,1-Dichloroethene	ND	14.1	--	ND	55.9	--		70.42
tert-Butyl Alcohol	ND	35.2	--	ND	107	--		70.42
Methylene chloride	ND	35.2	--	ND	122	--		70.42
3-Chloropropene	ND	14.1	--	ND	44.1	--		70.42
Carbon disulfide	ND	14.1	--	ND	43.9	--		70.42
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	14.1	--	ND	108	--		70.42
trans-1,2-Dichloroethene	ND	14.1	--	ND	55.9	--		70.42
1,1-Dichloroethane	ND	14.1	--	ND	57.1	--		70.42
Methyl tert butyl ether	ND	14.1	--	ND	50.8	--		70.42
2-Butanone	ND	35.2	--	ND	104	--		70.42
cis-1,2-Dichloroethene	ND	14.1	--	ND	55.9	--		70.42

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-01 D
Client ID: SV-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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	35.2	--	ND	127	--		70.42
Chloroform	ND	14.1	--	ND	68.9	--		70.42
Tetrahydrofuran	ND	35.2	--	ND	104	--		70.42
1,2-Dichloroethane	ND	14.1	--	ND	57.1	--		70.42
n-Hexane	ND	14.1	--	ND	49.7	--		70.42
1,1,1-Trichloroethane	ND	14.1	--	ND	76.9	--		70.42
Benzene	ND	14.1	--	ND	45.0	--		70.42
Carbon tetrachloride	ND	14.1	--	ND	88.7	--		70.42
Cyclohexane	ND	14.1	--	ND	48.5	--		70.42
1,2-Dichloropropane	ND	14.1	--	ND	65.2	--		70.42
Bromodichloromethane	ND	14.1	--	ND	94.5	--		70.42
1,4-Dioxane	ND	14.1	--	ND	50.8	--		70.42
Trichloroethene	18.4	14.1	--	98.9	75.8	--		70.42
2,2,4-Trimethylpentane	ND	14.1	--	ND	65.9	--		70.42
Heptane	ND	14.1	--	ND	57.8	--		70.42
cis-1,3-Dichloropropene	ND	14.1	--	ND	64.0	--		70.42
4-Methyl-2-pentanone	ND	35.2	--	ND	144	--		70.42
trans-1,3-Dichloropropene	ND	14.1	--	ND	64.0	--		70.42
1,1,2-Trichloroethane	ND	14.1	--	ND	76.9	--		70.42
Toluene	ND	14.1	--	ND	53.1	--		70.42
2-Hexanone	ND	14.1	--	ND	57.8	--		70.42
Dibromochloromethane	ND	14.1	--	ND	120	--		70.42
1,2-Dibromoethane	ND	14.1	--	ND	108	--		70.42
Tetrachloroethene	6240	14.1	--	42300	95.6	--		70.42
Chlorobenzene	ND	14.1	--	ND	64.9	--		70.42
Ethylbenzene	ND	14.1	--	ND	61.2	--		70.42

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-01 D
Client ID: SV-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:45
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	ND	28.2	--	ND	122	--		70.42
Bromoform	ND	14.1	--	ND	146	--		70.42
Styrene	ND	14.1	--	ND	60.0	--		70.42
1,1,2,2-Tetrachloroethane	ND	14.1	--	ND	96.8	--		70.42
o-Xylene	ND	14.1	--	ND	61.2	--		70.42
4-Ethyltoluene	ND	14.1	--	ND	69.3	--		70.42
1,3,5-Trimethylbenzene	ND	14.1	--	ND	69.3	--		70.42
1,2,4-Trimethylbenzene	ND	14.1	--	ND	69.3	--		70.42
Benzyl chloride	ND	14.1	--	ND	73.0	--		70.42
1,3-Dichlorobenzene	ND	14.1	--	ND	84.8	--		70.42
1,4-Dichlorobenzene	ND	14.1	--	ND	84.8	--		70.42
1,2-Dichlorobenzene	ND	14.1	--	ND	84.8	--		70.42
1,2,4-Trichlorobenzene	ND	14.1	--	ND	105	--		70.42
Hexachlorobutadiene	ND	14.1	--	ND	150	--		70.42

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	107		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-02
Client ID: SV-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:30
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/18 01:08
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.414	0.200	--	2.05	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	57.6	5.00	--	109	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.9	1.00	--	40.1	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
iso-Propyl Alcohol	20.6	0.500	--	50.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	3.01	0.500	--	9.12	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.627	0.500	--	1.85	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-02
Client ID: SV-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:30
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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	2.59	0.200	--	12.6	0.977	--		1
Tetrahydrofuran	0.823	0.500	--	2.43	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.347	0.200	--	1.22	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	0.295	0.200	--	1.02	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.216	0.200	--	1.45	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	1.10	0.200	--	4.51	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.70	0.200	--	6.41	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	14.2	0.200	--	96.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.830	0.200	--	3.61	0.869	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-02
Client ID: SV-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:30
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	2.45	0.400	--	10.6	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	1.12	0.200	--	4.86	0.869	--		1
4-Ethyltoluene	3.03	0.200	--	14.9	0.983	--		1
1,3,5-Trimethylbenzene	3.20	0.200	--	15.7	0.983	--		1
1,2,4-Trimethylbenzene	11.8	0.200	--	58.0	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	111		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	112		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-03
Client ID: SV-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:16
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/18 01:47
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.408	0.200	--	2.02	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	58.2	5.00	--	110	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	64.3	1.00	--	153	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
iso-Propyl Alcohol	49.4	0.500	--	121	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	3.02	0.500	--	9.16	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.718	0.500	--	2.12	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-03
Client ID: SV-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:16
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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	0.785	0.500	--	2.32	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.266	0.200	--	0.937	0.705	--		1
1,1,1-Trichloroethane	0.212	0.200	--	1.16	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.220	0.200	--	0.757	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	3.94	0.200	--	14.2	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.06	0.200	--	4.34	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.31	0.200	--	4.94	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	5.81	0.200	--	39.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.475	0.200	--	2.06	0.869	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-03
Client ID: SV-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:16
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	1.65	0.400	--	7.17	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	0.939	0.200	--	4.08	0.869	--		1
4-Ethyltoluene	2.25	0.200	--	11.1	0.983	--		1
1,3,5-Trimethylbenzene	2.31	0.200	--	11.4	0.983	--		1
1,2,4-Trimethylbenzene	7.79	0.200	--	38.3	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	115		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	113		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-04
Client ID: IA-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:47
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/27/18 21:57
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.439	0.200	--	2.17	0.989	--		1
Chloromethane	0.397	0.200	--	0.820	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	71.2	5.00	--	134	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	49.6	1.00	--	118	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	62.1	0.500	--	153	1.23	--		1
tert-Butyl Alcohol	0.730	0.500	--	2.21	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.46	0.500	--	4.31	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-04
Client ID: IA-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:47
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.31	0.200	--	11.7	0.705	--		1
Benzene	0.299	0.200	--	0.955	0.639	--		1
Cyclohexane	0.658	0.200	--	2.26	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	5.90	0.200	--	24.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.54	0.200	--	13.3	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.285	0.200	--	1.24	0.869	--		1
p/m-Xylene	1.42	0.400	--	6.17	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.317	0.200	--	1.35	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.15	0.200	--	13.7	0.869	--		1
4-Ethyltoluene	19.2	0.200	--	94.4	0.983	--		1
1,3,5-Trimethylbenzene	20.8	0.200	--	102	0.983	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-04
Client ID: IA-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:47
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	57.1	0.200	--	281	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	106		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	111		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-04
Client ID: IA-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:47
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 21:57
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	0.708	0.020	--	3.80	0.107	--		1
Tetrachloroethene	75.3	0.020	--	511	0.136	--	E	1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	106		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	113		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-04 D
Client ID: IA-1
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:47
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/28/18 08:44
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	82.9	0.050	--	562	0.339	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	105		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-05
Client ID: IA-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:31
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/27/18 22:36
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.390	0.200	--	1.93	0.989	--		1
Chloromethane	0.330	0.200	--	0.681	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	118	5.00	--	222	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	69.4	1.00	--	165	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
iso-Propyl Alcohol	98.0	0.500	--	241	1.23	--		1
tert-Butyl Alcohol	1.50	0.500	--	4.55	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.961	0.500	--	2.83	1.47	--		1
Ethyl Acetate	1.78	0.500	--	6.41	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-05
Client ID: IA-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:31
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.21	0.200	--	7.79	0.705	--		1
Benzene	0.262	0.200	--	0.837	0.639	--		1
Cyclohexane	0.935	0.200	--	3.22	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	7.45	0.200	--	30.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.65	0.200	--	13.8	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.260	0.200	--	1.13	0.869	--		1
p/m-Xylene	1.30	0.400	--	5.65	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.379	0.200	--	1.61	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.94	0.200	--	12.8	0.869	--		1
4-Ethyltoluene	18.2	0.200	--	89.5	0.983	--		1
1,3,5-Trimethylbenzene	19.7	0.200	--	96.8	0.983	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-05
Client ID: IA-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:31
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	57.2	0.200	--	281	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	112		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	117		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-05
Client ID: IA-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:31
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 22:36
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	0.540	0.020	--	2.90	0.107	--		1
Tetrachloroethene	57.3	0.020	--	389	0.136	--	E	1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	113		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	122		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-05 D
Client ID: IA-2
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:31
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/28/18 09:21
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	65.8	0.040	--	446	0.271	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	105		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-06
Client ID: IA-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:17
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/27/18 23:53
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.391	0.200	--	1.93	0.989	--		1
Chloromethane	0.330	0.200	--	0.681	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	76.8	5.00	--	145	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	597	1.00	--	1420	2.38	--	E	1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	812	0.500	--	2000	1.23	--	E	1
tert-Butyl Alcohol	6.52	0.500	--	19.8	1.52	--		1
Methylene chloride	2.27	0.500	--	7.89	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.257	0.200	--	0.800	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.88	0.500	--	8.49	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-06
Client ID: IA-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:17
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.30	0.200	--	8.11	0.705	--		1
Benzene	0.461	0.200	--	1.47	0.639	--		1
Cyclohexane	10.8	0.200	--	37.2	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	68.5	0.200	--	281	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.688	0.500	--	2.82	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	15.2	0.200	--	57.3	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.898	0.200	--	3.90	0.869	--		1
p/m-Xylene	5.09	0.400	--	22.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.876	0.200	--	3.73	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	13.0	0.200	--	56.5	0.869	--		1
4-Ethyltoluene	46.3	0.200	--	228	0.983	--		1
1,3,5-Trimethylbenzene	60.8	0.200	--	299	0.983	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-06
Client ID: IA-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:17
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	138	0.200	--	678	0.983	--	E	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	117		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	127		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-06
Client ID: IA-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:17
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 23:53
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.063	0.020	--	0.396	0.126	--		1
Trichloroethene	0.041	0.020	--	0.220	0.107	--		1
Tetrachloroethene	3.04	0.020	--	20.6	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	118		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	134		60-140

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

SAMPLE RESULTS

Lab ID: L1838188-06 D
Client ID: IA-3
Sample Location: 47-50 30TH STREET, LIC

Date Collected: 09/21/18 14:17
Date Received: 09/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/28/18 10:33
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	743	5.00	--	1760	11.9	--		5
iso-Propyl Alcohol	1030	2.50	--	2530	6.15	--		5
1,2,4-Trimethylbenzene	256	1.00	--	1260	4.92	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	105		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	104		60-140

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/18 16:25

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: WG1161678-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/18 16:25

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: WG1161678-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-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
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/18 16:25

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: WG1161678-4								
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
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	0.500	--	ND	2.05	--		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

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/18 16:25

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: WG1161678-4								
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 (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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 (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/18 16:25

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: WG1161678-4								
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: 30TH STREET LIC
Project Number: 13123
Lab Number: L1838188
Report Date: 09/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 16:25

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 for sample(s): 04-06 Batch: WG1161680-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 16:25

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 for sample(s): 04-06 Batch: WG1161680-4								
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		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
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	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
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

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Batch Quality Control

Analytical Method: 48,TO-15-SIM
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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 for sample(s): 04-06 Batch: WG1161680-4								
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		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
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/27/18 16:25

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 for sample(s): 04-06 Batch: WG1161680-4								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

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: WG1161678-3								
Chlorodifluoromethane	78		-		70-130	-		
Propylene	89		-		70-130	-		
Propane	**66**	Q	-		70-130	-		
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	76		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	80		-		70-130	-		
Methanol	**65**	Q	-		70-130	-		
Vinyl chloride	77		-		70-130	-		
1,3-Butadiene	78		-		70-130	-		
Butane	71		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	80		-		70-130	-		
Ethyl Alcohol	73		-		70-130	-		
Dichlorofluoromethane	75		-		70-130	-		
Vinyl bromide	81		-		70-130	-		
Acrolein	**67**	Q	-		70-130	-		
Acetone	79		-		70-130	-		
Acetonitrile	**65**	Q	-		70-130	-		
Trichlorofluoromethane	97		-		70-130	-		
iso-Propyl Alcohol	76		-		70-130	-		
Acrylonitrile	74		-		70-130	-		
Pentane	**67**	Q	-		70-130	-		
Ethyl ether	74		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
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Lab Number: L1838188
Report Date: 09/28/18

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: WG1161678-3								
1,1-Dichloroethene	86		-		70-130	-		
tert-Butyl Alcohol	72		-		70-130	-		
Methylene chloride	83		-		70-130	-		
3-Chloropropene	79		-		70-130	-		
Carbon disulfide	75		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	83		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	97		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	89		-		70-130	-		
Ethyl Acetate	88		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	94		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	78		-		70-130	-		
Ethyl-Tert-Butyl-Ether	74		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
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Lab Number: L1838188
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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: WG1161678-3								
Carbon tetrachloride	112		-		70-130	-		
Cyclohexane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	81		-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl Methacrylate	75		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	88		-		70-130	-		
1,3-Dichloropropane	91		-		70-130	-		
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		
Butyl Acetate	85		-		70-130	-		
Octane	85		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

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Lab Number: L1838188

Report Date: 09/28/18

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: WG1161678-3								
1,1,1,2-Tetrachloroethane	95		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	97		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	95		-		70-130	-		
o-Chlorotoluene	92		-		70-130	-		
n-Propylbenzene	93		-		70-130	-		
p-Chlorotoluene	93		-		70-130	-		
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
tert-Butylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Decane (C10)	86		-		70-130	-		
Benzyl chloride	108		-		70-130	-		
1,3-Dichlorobenzene	106		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
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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: WG1161678-3								
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	**68**	Q	-		70-130	-		
1,2-Dichlorobenzene	77		-		70-130	-		
n-Butylbenzene	96		-		70-130	-		
1,2-Dibromo-3-chloropropane	102		-		70-130	-		
Undecane	93		-		70-130	-		
Dodecane (C12)	96		-		70-130	-		
1,2,4-Trichlorobenzene	109		-		70-130	-		
Naphthalene	97		-		70-130	-		
1,2,3-Trichlorobenzene	104		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
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Lab Number: L1838188
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 Batch: WG1161680-3								
Propylene	79		-		70-130	-		25
Dichlorodifluoromethane	78		-		70-130	-		25
Chloromethane	**65**	Q	-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	74		-		70-130	-		25
Vinyl chloride	71		-		70-130	-		25
1,3-Butadiene	76		-		70-130	-		25
Bromomethane	74		-		70-130	-		25
Chloroethane	70		-		70-130	-		25
Ethyl Alcohol	76		-		70-130	-		25
Vinyl bromide	71		-		70-130	-		25
Acetone	71		-		70-130	-		25
Trichlorofluoromethane	87		-		70-130	-		25
iso-Propyl Alcohol	**69**	Q	-		70-130	-		25
Acrylonitrile	**69**	Q	-		70-130	-		25
1,1-Dichloroethene	79		-		70-130	-		25
tert-Butyl Alcohol[1]	**62**	Q	-		70-130	-		25
Methylene chloride	79		-		70-130	-		25
3-Chloropropene	76		-		70-130	-		25
Carbon disulfide	70		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	77		-		70-130	-		25
trans-1,2-Dichloroethene	76		-		70-130	-		25
1,1-Dichloroethane	80		-		70-130	-		25
Methyl tert butyl ether	79		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 Batch: WG1161680-3								
Vinyl acetate	90		-		70-130	-		25
2-Butanone	86		-		70-130	-		25
cis-1,2-Dichloroethene	78		-		70-130	-		25
Ethyl Acetate	79		-		70-130	-		25
Chloroform	95		-		70-130	-		25
Tetrahydrofuran	81		-		70-130	-		25
1,2-Dichloroethane	86		-		70-130	-		25
n-Hexane	85		-		70-130	-		25
1,1,1-Trichloroethane	95		-		70-130	-		25
Benzene	89		-		70-130	-		25
Carbon tetrachloride	104		-		70-130	-		25
Cyclohexane	83		-		70-130	-		25
Dibromomethane[1]	81		-		70-130	-		25
1,2-Dichloropropane	82		-		70-130	-		25
Bromodichloromethane	102		-		70-130	-		25
1,4-Dioxane	94		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
2,2,4-Trimethylpentane	88		-		70-130	-		25
cis-1,3-Dichloropropene	83		-		70-130	-		25
4-Methyl-2-pentanone	97		-		70-130	-		25
trans-1,3-Dichloropropene	94		-		70-130	-		25
1,1,2-Trichloroethane	96		-		70-130	-		25
Toluene	81		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

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Project Number: 13123

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 Batch: WG1161680-3								
2-Hexanone	93		-		70-130	-		25
Dibromochloromethane	103		-		70-130	-		25
1,2-Dibromoethane	93		-		70-130	-		25
Tetrachloroethene	90		-		70-130	-		25
1,1,1,2-Tetrachloroethane	85		-		70-130	-		25
Chlorobenzene	92		-		70-130	-		25
Ethylbenzene	85		-		70-130	-		25
p/m-Xylene	87		-		70-130	-		25
Bromoform	103		-		70-130	-		25
Styrene	91		-		70-130	-		25
1,1,2,2-Tetrachloroethane	99		-		70-130	-		25
o-Xylene	87		-		70-130	-		25
1,2,3-Trichloropropane[1]	91		-		70-130	-		25
Isopropylbenzene	88		-		70-130	-		25
Bromobenzene[1]	88		-		70-130	-		25
4-Ethyltoluene	98		-		70-130	-		25
1,3,5-Trimethylbenzene	93		-		70-130	-		25
1,2,4-Trimethylbenzene	97		-		70-130	-		25
Benzyl chloride	109		-		70-130	-		25
1,3-Dichlorobenzene	104		-		70-130	-		25
1,4-Dichlorobenzene	101		-		70-130	-		25
sec-Butylbenzene	91		-		70-130	-		25
p-Isopropyltoluene	77		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 30TH STREET LIC

Project Number: 13123

Lab Number: L1838188

Report Date: 09/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 Batch: WG1161680-3								
1,2-Dichlorobenzene	89		-		70-130	-		25
n-Butylbenzene	93		-		70-130	-		25
1,2,4-Trichlorobenzene	111		-		70-130	-		25
Naphthalene	99		-		70-130	-		25
1,2,3-Trichlorobenzene	105		-		70-130	-		25
Hexachlorobutadiene	113		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1161678-5 QC Sample: L1838188-05 Client ID: IA-2						
Dichlorodifluoromethane	0.390	0.402	ppbV	3		25
Chloromethane	0.330	0.332	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	118	124	ppbV	5		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	69.4	70.7	ppbV	2		25
Trichlorofluoromethane	0.209	0.200	ppbV	4		25
iso-Propyl Alcohol	98.0	100	ppbV	2		25
tert-Butyl Alcohol	1.50	1.56	ppbV	4		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.961	0.974	ppbV	1		25
Ethyl Acetate	1.78	1.81	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1161678-5 QC Sample: L1838188-05 Client ID: IA-2						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.21	2.24	ppbV	1		25
Benzene	0.262	0.260	ppbV	1		25
Cyclohexane	0.935	0.953	ppbV	2		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	7.45	7.53	ppbV	1		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	3.65	3.72	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.260	0.263	ppbV	1		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1161678-5 QC Sample: L1838188-05 Client ID: IA-2						
p/m-Xylene	1.30	1.30	ppbV	0		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.379	0.383	ppbV	1		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	2.94	2.99	ppbV	2		25
4-Ethyltoluene	18.2	18.6	ppbV	2		25
1,3,5-Trimethylbenzene	19.7	19.7	ppbV	0		25
1,2,4-Trimethylbenzene	57.2	56.7	ppbV	1		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
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1161680-5 QC Sample: L1838188-05 Client ID: IA-2						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.062	0.060	ppbV	3		25
Trichloroethene	0.540	0.556	ppbV	3		25
Tetrachloroethene	57.3E	56.9E	ppbV	1		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-06 QC Batch ID: WG1161680-5 QC Sample: L1838188-05 Client ID: IA-2						
Tetrachloroethene	65.8	66.5	ppbV	1		25

Project Name: 30TH STREET LIC

Lab Number: L1838188

Project Number: 13123

Report Date: 09/28/18

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
L1838188-01	SV-1	0695	Flow 4	09/19/18	274780		-	-	-	Pass	17.8	15.6	13
L1838188-01	SV-1	1724	2.7L Can	09/19/18	274780	L1836011-01	Pass	-29.0	-0.24	-	-	-	-
L1838188-02	SV-2	0971	Flow 3	09/19/18	274780		-	-	-	Pass	17.5	17.4	1
L1838188-02	SV-2	173	2.7L Can	09/19/18	274780	L1835794-01	Pass	-28.9	-0.14	-	-	-	-
L1838188-03	SV-3	0973	Flow 4	09/19/18	274780		-	-	-	Pass	18.0	19.1	6
L1838188-03	SV-3	2308	2.7L Can	09/19/18	274780	L1835794-01	Pass	-29.0	-0.20	-	-	-	-
L1838188-04	IA-1	0854	Flow 4	09/19/18	274780		-	-	-	Pass	22.7	19.8	14
L1838188-04	IA-1	2230	2.7L Can	09/19/18	274780	L1835794-01	Pass	-29.1	-0.29	-	-	-	-
L1838188-05	IA-2	0743	Flow 3	09/19/18	274780		-	-	-	Pass	17.9	19.2	7
L1838188-05	IA-2	329	2.7L Can	09/19/18	274780	L1836011-01	Pass	-28.9	-0.10	-	-	-	-
L1838188-06	IA-3	0856	Flow 4	09/19/18	274780		-	-	-	Pass	17.4	17.6	1
L1838188-06	IA-3	202	2.7L Can	09/19/18	274780	L1835794-01	Pass	-29.1	-0.37	-	-	-	-
L1838188-07	UNUSED CAN #182	0865	SV200	09/19/18	274780		-	-	-	Pass	19.1	19.1	0
L1838188-07	UNUSED CAN #182	182	2.7L Can	09/19/18	274780	L1835794-01	Pass	-29.1	-29.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1835794
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/12/18 23:58
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
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	5.00	--	ND	9.42	--		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
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1835794

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

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								
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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1835794
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

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								
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	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1835794
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

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								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1835794

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1835794

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/12/18 23:58
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1835794
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1835794
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1835794-01
Client ID: CAN 1721 SHELF 1
Sample Location:

Date Collected: 09/10/18 16:00
Date Received: 09/11/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1836011
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/12/18 22:54
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
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	5.00	--	ND	9.42	--		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
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1836011
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

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								
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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1836011
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

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								
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	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1836011
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

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								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1836011

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1836011

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/12/18 22:54
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		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:** L1836011

Project Number: CANISTER QC BAT **Report Date:** 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1836011
Report Date: 09/28/18

Air Canister Certification Results

Lab ID: L1836011-01
Client ID: CAN 497 SHELF 3
Sample Location:

Date Collected: 09/11/18 16:00
Date Received: 09/12/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140

Project Name: 30TH STREET LIC
Project Number: 13123

Lab Number: L1838188
Report Date: 09/28/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1838188-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1838188-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1838188-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1838188-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-SIM(30)
L1838188-05A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-SIM(30)
L1838188-06A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-SIM(30)
L1838188-07A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	30TH STREET LIC	**Lab Number:**	L1838188
Project Number:	13123	**Report Date:**	09/28/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report

Project Name:	30TH STREET LIC	**Lab Number:**	L1838188
Project Number:	13123	**Report Date:**	09/28/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	30TH STREET LIC	**Lab Number:**	L1838188
Project Number:	13123	**Report Date:**	09/28/18

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/25/18

ALPHA Job #: L8 38188

Client Information

Client: Impact Environmental
Address: 170 Keyland Court
Phone: 631-269-8800
Fax:
Email: gmendez-chicas@impactenvironmental.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 30th street LIC
Project Location: 47-50 30th street, LIC
Project #: 13123
Project Manager: Greg Mendez Chicas
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
38188.01	SV-1	9/21	7:08	2:45	-30.29	-0.14	SV	ML	2.7	1724 ~~0695~~	0695	X					
.02	SV-2	9/21	7:04	2:30	-30.33	-0.10	SV	ML	2.7	173 ~~0971~~	0971	X					
.03	SV-3	9/21	6:58	2:16	-30.51	-0.20	SV	ML	2.7	2308 ~~0973~~	0973	X					
.04	IA-1	9/21	7:09	2:47	-30.01	-0.12	AA	ML	2.7	2230 ~~0854~~	0854	X					
.05	IA-2	9/21	7:05	2:31	-29.99	-0.09	AA	ML	2.7	329 ~~0734~~	0734	X					
.06	IA-3	9/21	7:13	2:17	-30.16	-0.10	AA	ML	2.7	202 ~~0856~~	0856	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:
Maria Wu	9/24/18 21:08	AIL	9/24/18 14:03
~~Maria Wu~~	9/24/18 ~~21:08~~ 1950		9/24 2200
9/21			09/25/18 0545
09/25/18 06 0545			9/25/18 0545

APPENDIX B
HEALTH AND SAFETY PLAN

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Prepared for:
Alexandria Center New York City
New York, NY

Prepared By:
Ramboll US Corporation
New York, NY

Date
December 2018

Project Number
1690010617-001

HEALTH AND SAFETY PLAN

SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE ASSESSMENT

47-50 30TH STREET

LONG ISLAND CITY, QUEENS, NEW YORK



RAMBOLL

Table 1A: Emergency Response Telephone Roster		
	Office	**Cell**
PERSONNEL		
Ramboll Corporation		
Principal In Charge: Farshad Razmdjoo	949-798-3609	949-697-1418
Project Manager: Matthew Sweet	973-286-4291	201-575-1715
Designated Site Supervisor: Victoria Sacks	312-288-3944	516-474-9535
Health & Safety Coordinator: Sharon Burkett	609-243-9832	609-306-8631
Corporate H&S Director: Michael Haggerty	678-388-1651	770-802-3949
Contractors		
Company: Coastal Environmental Solutions Contact: Marc Morgenstern	631-319-6536	516-587-9570
Company: GPRS Inc. Contact: Josh Elam	419-843-9804	631-241-2261
Client/Security		
Site Contact: Thomas Brennan	TBD	TBD
EMERGENCY RESPONSE AGENCIES		
Hospital: Bellevue Hospital Emergency Department	911	212-562-8052
Emergency Fire: FDNY Engine 259/Ladder 128/Battalion 45	911	212-639-9675
Emergency Police: NYC Police Department 108th Precinct	911	718-784-5411
New York City Department of Health		718-267-2170
Ambulance Service: Bellevue Hospital Emergency Department	911	212-562-8052
OTHER EMERGENCY ASSISTANCE		
CHEMTREC	800-424-9300	
National Response Center (oil and chemical spills)	800-424-8802	
Poison Control Center	800-222-1222	
Federal Emergency Management Agency	202-646-2500	

Table 1B: Emergency Services Instructions

For Emergency Medical Incidents, Emergency Fire Response, or Hazardous Materials Incidents

Emergency Telephone Numbers:

- Hospital: 911
- Police: 911
- Fire Department: 911
- Site Security/Client: Thomas Brennan (Number TBD)

1. Remember to speak SLOWLY and CLEARLY. Do NOT hang up first: let the dispatcher conclude the call.
2. Provide the following information:
   a. Location: 47-50 30th Street, Long Island City, Queens, New York
   b. Your name and phone number
3. Describe nature of Incident:
   a. Emergency Medical Incident
      - How many victims
      - Type of incident - physical injury, etc.
      - Assessment of victims' condition if known (whether victim is conscious/unconscious, breathing/not breathing, pulse/no pulse, nature of injuries, first aid measures used, etc.)
      - Where incident occurred
   b. Fire:
      - Location of Fire
   c. Hazardous Materials Incident:
      - This is a hazardous materials incident requiring dispatch of HAZMAT unit
      - Type of incident (fire, explosion, spill, etc.)
      - Type of material (specific chemicals or general description)
      - Whether there is also a Medical Emergency
4. Give your location at the Site

Note: Security, Site Supervisor or designee must meet the emergency personnel at the staging area to brief them on the situation.

ROUTE DESCRIPTION AND MAP TO HOSPITAL

Hospital Information:

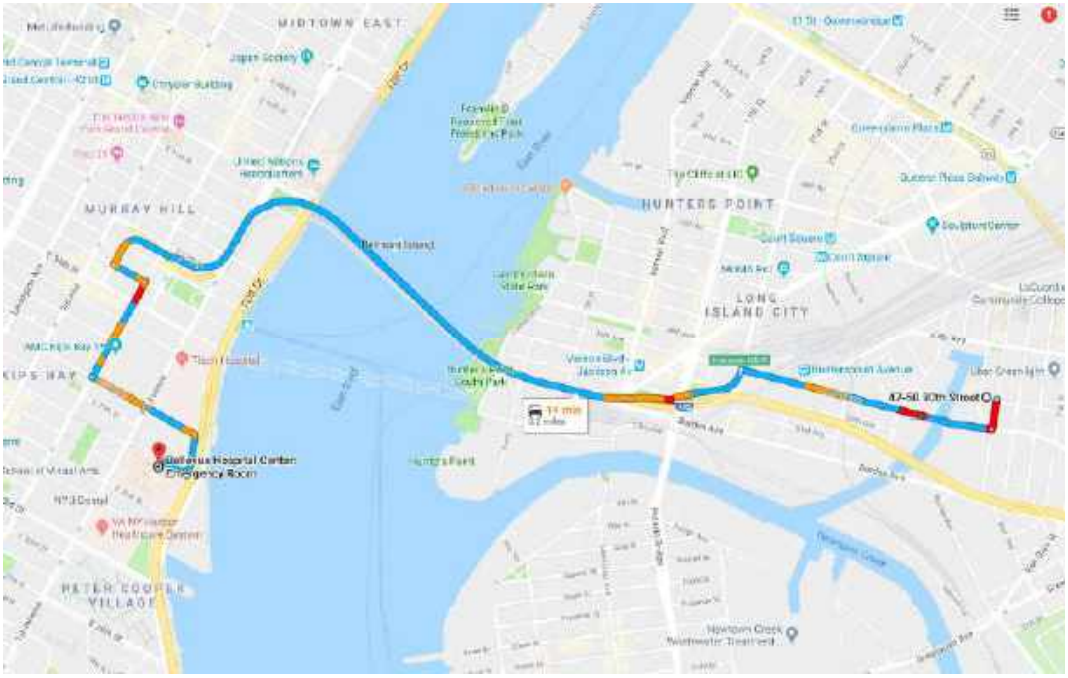
Hospital Name: *Bellevue Hospital Emergency Department*

Hospital Address: *462 1st Avenue, New York, NY 10016*

Hospital Phone Number: *212-562-4141*

Directions to Area Hospital:

- Exit the site and turn right on 30th St. toward 48th Ave.
- Turn right onto 49th Ave.
- Turn left onto 21st St.
- Turn right onto the ramp to Midtown Tun/Manhattan (partial toll road)
- Keep left and merge onto I-495 W (toll road)
- Continue onto Queens Midtown Tunnel (toll road)
- Use the left lane to take the exit toward Downtown
- Turn left onto E 35th St.
- Use any lane to turn right at the 1st cross street onto 2nd Ave.
- Turn left on E 30th St.
- Slight right onto FDR Dr.
- Turn right onto E 28th St.



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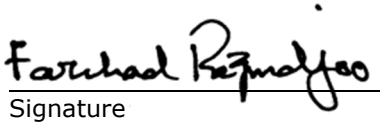
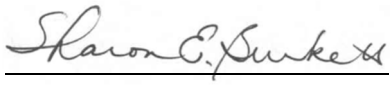
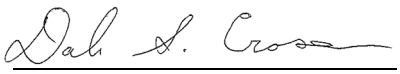
Appendix A: Chemical Information and Material Safety Data Sheets
Appendix B: Control Mechanisms
Appendix C: Subsurface Clearance Field Checklist
Appendix D: First Aid Guidance
Appendix E: Emergency Information

ACRONYMS AND ABBREVIATIONS

AIHA	American Industrial Hygiene Association
ANSI	American National Standards Institute
BBP	Bloodborne Pathogen
C	Ceiling Limit
CPR	cardiopulmonary resuscitation
dBA	Decibels on the "A" weighted scale
EMR	Experience Modification Rate
ERP	Emergency Response Plan
GFCI	Ground fault circuit interrupter
H	High
HA	Hazard Assessment
HASP	Health and Safety Plan
HSIR	Health and Safety Incident Report
HSSC	Health and Safety Site Coordinator
IDLH	Immediately Dangerous to Life and Health
LOTO	Lockout/Tagout
L	Low
M	Moderate
Mg/m^3	milligrams per cubic meter
NA	Not Anticipated
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
PC	Program Coordinator
PELs	Permissible Exposure Limits
PM	Project Manager
PPE	Personnel Protective Equipment
PPM	Parts Per Million
Ramboll	Ramboll US Corporation (formerly ENVIRON International Corporation, "ENVIRON")
SC	Site Coordinator
SDS	Safety Data Sheet
SPI	Standard Practice Instruction
SSC	Subsurface Clearance
STEL	Short Term Exposure Limits
T & C	Terms and Conditions
TWA	Time Weighted Average

HEALTH & SAFETY PLAN REVIEW AND APPROVAL:

By signing below, it is acknowledge that this HASP identifies the activities that are anticipated to be performed in the field. In addition, this HASP identifies the personal protective and monitoring equipment that may be necessary to be on site and be available for use. It is also understood that the provisions of this HASP will be updated if there is a change of a task and/or the addition of tasks and will be approved by the individuals listed below or their designee.

Farshad Razmdjoo		12/20/2018
Principal-In-Charge	Signature	Date
Matthew Sweet		12/20/2018
Project Manager	Signature	Date
Sharon Burkett		12/20/2018
Health & Safety Coordinator	Signature	Date
Victoria Sacks		12/20/2018
Designated Site Supervisor	Signature	Date
Claire Elias		12/20/2018
Designated HASP Preparer	Signature	Date
Dale Cross		12/20/2018
Designated HASP Reviewer	Signature	Date

This form MUST be signed prior to starting the on-site work. In addition, a copy of this form should be returned to the office Health and Safety Coordinator prior to leaving for the field. After completion of the project, the original signed HASP must be retained in the project file

Author's Initials: VS Typist's Initials: BL File Name: v1

1. INTRODUCTION

This HASP was prepared to inform all Ramboll personnel of known or reasonably anticipated potential hazards and safety concerns at this Site. All personnel participating in field activities must be trained in the general and specific hazards unique to the job they are performing and, if applicable, meet recommended medical examination and/or training requirements. All Ramboll employees shall follow the guidelines, rules, and procedures contained in this site-specific HASP. Ramboll personnel shall contact the Project Manager (PM) if unexpected conditions are encountered at the site, including but not limited to new processes; changes in operation, products, services; additional or changes in the chemicals of concern; and/or unsafe conditions are encountered which were not previously addressed in this HASP.

For purposes of this HASP, subcontractors refer to those retained directly or indirectly by Ramboll, and contractors refer to all other entities working on site. Each contractor, subcontractor, and visitor shall be expected to review and understand the hazards, risks, and control methods (including emergency procedures) as outlined in this HASP, and sign off on the HASP. This can be accomplished either during the project planning stage or during the first safety briefing on site. However, contractors and subcontractors will be required to prepare their own HASP to address site safety and work hazards associated with their proposed site activities prior to mobilization to the site. In addition, each subcontractor will be required to provide Ramboll with their site-specific HASP, and communicate the types of hazards and control methods associated with their activities to Ramboll during the first safety briefing on site and as conditions change. Relevant Contractor information regarding the identification of hazards and appropriate control strategies for the hazards for their particular job tasks should also be presented and a site-specific HASP should be available for review by all parties. Each contractor or subcontractor must assume direct responsibility for its own employees' health and safety.

Copies of the HASPs will be kept on site for review and reference during all site activities. Upon completion of the project, the finalized and signed copy of the HASP will be placed in the project file.

When retaining and working with subcontractors, the following minimum requirements shall be met:

- A properly executed Contractor/Subcontractor Terms and Conditions (T&C) agreement with Ramboll in place prior to commencing work on-site;
- Insurance policies and limits are acceptable to Ramboll and all applicable Insurance Certificates are properly executed (i.e., Ramboll being named as additionally insured under such policies, including Professional and Pollution Liability, if applicable. This will also include adding Ramboll's CLIENT as being named as an insured party under the same policies);
- The roles and responsibilities of the subcontractor have been established, including the naming of the Health and Safety point of contact (these should be clearly indicated in the applicable subcontractor HASP);

- Submission of illness and injury logs indicating a favorable total incident rate (i.e., for the previous calendar year: the total incident rate is calculated by the total number of cases X 200,000 divided by the total hours worked by all employees of the subcontractor). This should be equal to or less than the industry average (i.e., for remediation services listed under the North American Industry Classification System (NAICS) 5629 the total incident rate must be equal or below 3.8); and
- A favorable Experience Modification Rate (EMR) (i.e., a rate equal to or less than 1.0) or an explanation of why your company does not qualify for an EMR from the Contractors insurance company.

1.1 Site Description

The Milton Paper Company owns the site in Queens, New York (the "site" or "facility"). The approximately 1.24 -acre site is located in the Long Island City neighborhood of the Queen borough between 47th Ave and 48th Ave. The site is described on the New York City Tax Map as Queens Block 115 Lot 187.

1.2 Site History

The site was used as vacant undeveloped land from as early as 1898 to at least 1915. By 1936 the northern portion of the site was occupied by East River Mill and Lumber Company and operated as a lumber yard while the southern portion was occupied by Acme Shellac Products. In 1947 a building was constructed with additions in 1950 and 1970 used as a refrigerator warehouse, and which operated from approximately 1936 to 1950. The Standard Wine and Liquor Company (liquor warehouse) operated from about 1950 to 1970. An office and warehouse for Philips A. Hunt Chemical Corporation operated from approximately 1977 to 1983. The Milton Paper Company occupied the site from 1985 until the current occupant, Prestone Printing Co., Inc. (Prestone), a printing product, die cutting and binding service company purchased the property in October 2005.

1.3 Historical Documents

Based on a review of historical site documents and interviews with facility personnel, the following investigations were conducted at the site.

- **2005 Phase I Environmental Site Assessment.** Prepared by Whitestone Associates, Inc. and dated August 2005, the Phase I Environmental Site Assessment identified RECs on the property. RECs included a summary of a 2004 Phase I by Lender Consulting Services Inc. that states that former operation by ACME and Philip Chemical included the use of hazardous and potentially hazardous chemicals. A former 3,000 gallon fuel oil underground storage tank, abandoned in place in the eastern portion of the building, was pumped out by ABC Tank Cleaning and Repairing in 1991, and closed in-place in 1992, however no sampling was done at the time. The property was converted to natural gas and no longer used heating oil in 1992. Floor drains were identified with unidentifiable discharge points in the storage room in the western portion of building in the reported explosion room. Lastly, there was mentioned the presence of a commercial dry cleaner to the north and a railroad spur to the west.
- **Limited Phase II Environmental Site Assessment**. Prepared by Whitestone Associates, Inc. and dated September 2005, the Phase II Environmental Site Assessment

identified semi-volatile Organic Compounds (SVOCs) in soil and volatile organic compounds (VOCs) and SVOCs in groundwater.

- **Limited Soil and Soil Vapor Intrusion (SVI) Investigation**. Prepared by Preferred Environmental. and dated April 2018, the SVI Investigation identified RECs on the property. RECs included chlorinated VOCs (PCE and degradation constituents) and non-chlorinated VOCs present in indoor air samples.
- **Subsurface Investigation Report** Prepared by Impact Environmental and dated October 19, 2018, the subsurface investigation included installation of two soil borings, three temporary wells, as well as three soil vapor and indoor air samples. This report showed historic fill to 8 ft; brown to dark brown fine-coarse sand some gravel, trace silt to 15 ft, no staining or PID hits, groundwater at 9.75-10.83 ft bgs, no VOCs in soil samples B1 and B2. Groundwater samples showed PCE in TW-1 and TW-2 (northern part of site near drycleaner) above Class GA GWQS. Elevated PCE and TCE was found in indoor air at IA1 and IA2 (northern part of site near drycleaner). Elevated PCE was found in all soil vapor locations (SV1, SV2, and SV-3). In addition, elevated TCE was found only in SV-1 and SV-2 (northern part of site near drycleaner). It was concluded that the dry cleaner to the north impacted the site and recommend to seal walls, joints, and floor seams (cracks observed on northern and western interior walls) and to contact NYSDEC to discuss findings and proceed with source ID and PRP delegation.

1.4 Scope and Applicability

Ramboll US Corporation (Ramboll) has been retained to conduct and/or manage activities at the Site. This HASP addresses activities currently being conducted at the Site. Addendums will be added to this HASP to address activities at the site as they develop in the future.

Ramboll views the implementation of a site-specific HASP as a critical management tool necessary to the safety, health, and well-being of Site personnel and the community. Site operations will be performed in such a manner as to minimize the possibility of serious injury or accidents to site personnel, fire, explosion, or any unplanned or sudden release of contaminants into the environment that could adversely affect local receptors. This HASP is intended to be in compliance with all applicable state, federal and local regulations and is consistent with Ramboll's commitment to the health and safety of its personnel, contractors on the site, and the surrounding community.

The HASP identifies potential hazards associated with the activities being conducted during field activities at the Site, establishes the minimum procedural and equipment requirements to protect on-site personnel from potential hazards, and requires that on-site activities are conducted in a manner consistent with both accepted professional practice and applicable regulations. It also describes measures to minimize accidents and injuries that may occur during normal daily activities or during adverse conditions.

The HASP is based upon the currently available information regarding the Site. Operating conditions could potentially change as the work progresses, requiring some modification of the HASP. Any permanent modifications to the HASP, including changes necessary to correct any potential health and safety issues at the Site will be made only with permission by those individuals listed in Section 2 of this HASP. Approved changes will be added to the HASP as Addendums.

Applicability of this HASP extends to all personnel and visitors to the Site. However, Ramboll's subcontractors are ultimately responsible for the health and safety of their personnel and representatives, and are required to furnish their own HASP. All personnel and visitors entering on-site active fieldwork areas are responsible for reading and complying with the HASP and must sign an agreement to comply with the requirements of the HASP.

1.5 Specific Work Activities

The principal features of the field activities currently underway or planned for the immediate future include the following work activities or tasks:

- Task 1 – Transportation to and from Site
- Task 2 – Oversee Ground Penetrating Radar Survey
- Task 3 – Oversee Qualified Environmental Driller Install Soil Borings, Temporary Wells and Soil Vapor Points
- Task 4 – Collect Soil, groundwater and Soil Vapor Samples
- Task 5 – Hazardous Building Material Investigation

Each of these Tasks are further described as follows:

Task 1 – Transportation to and from the site

This Task involves employees traveling to and from the site to conduct field investigations. The site is accessible by public transportation and will not require a field vehicle.

Task 2 – Oversee Ground Penetrating Radar Survey (GPR)

This task involves oversight of GPR survey prior to installing investigative borings.

Task 3 – Oversee Qualified Environmental Driller Install Soil Borings, Temporary Wells and Soil Vapor Points

Ramboll will oversee a qualified environmental driller install up to ten soil borings, eight temporary monitoring wells and nine soil vapor sampling points. Points will be installed with a track mounted geoprobe rig. When installing any borings inside the temporary structure all openings to the structure will be open and the rig vented to the outdoor area.

Task 4 - Collect Soil, Groundwater and Soil Vapor Samples

Ramboll will collect up to 20 soil, 8 groundwater and 9 soil vapor samples. Up to five indoor air samples will be collected within five feet of the associated soil vapor sample to determine potential contaminant pathway into the structure.

Task 5 – Hazardous Building Materials Investigation (HBMI)

Ramboll will provide a NYC DEP licensed asbestos investigator to conduct an asbestos-containing material (ACM) survey of the interior and exterior portions of the site building. Ramboll will also provide an EPA licensed lead inspector/risk assessor to conduct an XRF lead paint survey. In conjunction with the ACM survey, Ramboll will collect samples of caulk and glazing for PCB analysis and will inventory other hazardous building materials/equipment.

1.6 Applicable Standards

The methods and procedures prescribed in this HASP are intended to conform to established professional practices and applicable federal, state, and local occupational safety and health protection standards based on information that is currently available. Regulations serving as the technical compliance basis for this document may include but are not limited to the following:

- U.S. Department of Labor, *Occupational Safety and Health Standards for Construction* (29 CFR 1926).
  - *Hazardous Waste Operations and Emergency Response* (29 CFR 1926.65)
  - *Hearing Protection* (29 CFR 1926.101 and 29 CFR 1926.52)
  - *Eye and Face Protection* (29 CFR 1926.102)
  - *Respiratory Protection* (29 CFR 1926.103)
  - *Working Over or Near Water* (29 CFR 1926.106)
  - *Material Handling Equipment* (29 CFR 1926.602)
  - *Working from Heights*
- U.S. Department of Labor, *OSHA Standards for General Industry* (29 CFR 1910).
  - *Hazardous Waste Operations and Emergency Response* (29 CFR 1910.120)
  - *PPE General Requirements* (29 CFR 1910.132)
  - *Eye and Face Protection* (29 CFR 1910.133)
  - *Respiratory Protection* (29 CFR 1910.134)
  - *Head Protection* (29 CFR 1910.135)
  - *Foot Protection* (29 CFR 1910.136)
  - *Hand Protection* (29 CFR 1910.138)
  - *Medical Services and First Aid* (29 CFR 1910.151)
  - *Portable Fire Extinguishers* (29 CFR 1910.157)
  - *Hazard Communication Standard* (29 CFR 1910.1200)
  - *Control of Hazardous Energy (LOTO)* (29 CFR 1910.147)
- U.S. Department of Labor, *Recording and Reporting Occupational Injuries and Illnesses*, (29 CFR 1904).

The following technical documents may have been utilized as references in the preparation of this HASP. However, the citation of these technical documents does not imply compliance with all aspects of these documents. The purpose of these citations is to aid in the interpretation of conflicting issues that may arise during the performance of Site activities. The following technical documents may include but are not limited to:

- National Institute for Occupational Safety & Health (NIOSH)/OSHA/United States Coast Guard (USCG)/ United States Environmental Protection Agency (USEPA), Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, (October, 1985).
- U.S. Department of Health and Human Services (DHHS), NIOSH Sampling and Analytical Methods, DHHS (NIOSH) Publication 84-100.
- American National Standards Institute (ANSI), Emergency Eyewash and Shower Equipment, Z358.1 (1981).
- ANSI, Protective Footwear, Z41.1 (1983).
- ANSI, Practice for Occupational and Educational Eye and Face Protection, Z87.1 (1979).
- ANSI, Protective Headgear for Industrial Workers - Requirements, Z89.1 (1986).

2. IDENTIFICATION OF KEY PERSONNEL

An efficient on-site operation requires that all key personnel be identified and that their roles and responsibilities be clearly defined. Below is a discussion of the management structure for this project.

2.1 Project Organization

Ramboll serves as the Project Coordinator for the Site. Ramboll is responsible for overseeing activities conducted by Ramboll personnel and Ramboll's subcontractors at the Site. Ramboll also is responsible for oversight of compliance with this HASP in the field by Ramboll personnel. Ramboll subcontractors may plan, manage, and carry out activities at the Site, including environmental investigation and remediation tasks, and will provide their own health and safety officers and HASP. As part of Ramboll's role as Site Coordinator, Ramboll will ensure that all subcontractors and Site workers are aware of the Ramboll HASP and its requirements.

2.2 Ramboll Personnel

Assigned functions of key Ramboll project team members and subcontractors are described in Tables 2 and 3, respectively, located at the end of this section. The applicable responsibilities for these individuals are as follows:

2.2.1 Principal in Charge/Project Manager

Responsibilities include overall coordination of site activities. The Principal in Charge (PIC) and the Project Manager (PM) have overall accountability and responsibility for the safety of operations and the health and safety of all personnel and for monitoring the work effort, schedule, costs, communication, and will ensure that the activities of all Site personnel comply with the approved work plans and will recommend or provide disciplinary action, as appropriate, if non-compliances occur.

These individuals will also provide the focal point for communications between the regulatory authorities; state and local community, on-site contractors, and project staff. This liaison activity will provide a clear line of communication between all parties to minimize the chance for misconceptions concerning any aspect of the project.

Any and all recommended revisions or changes in the HASP will be reviewed by the PIC, PM and Project Health and Safety Coordinator prior to final approval by the Corporate Health and Safety Director.

2.2.2 Corporate Health and Safety Director

The Ramboll Corporate Health and Safety Director (CHSD) will oversee all issues related to health and safety and will have final approval authority for any revisions or changes.

2.2.3 Project Health and Safety Coordinator

The Project Health and Safety Coordinator (HSC), along with the Corporate Health and Safety Director are resources for the development of the site-specific hazard assessments and control mechanisms. Any changes/modifications/additions that may need to occur to the HASP, the Project Health and Safety Coordinator and/or the Corporate Health and Safety

Director will be consulted. The Corporate Health and Safety Director will make all final decisions regarding questions on the hazard assessment and/or the control mechanisms.

Any and all recommended revisions or changes in the HASP will be reviewed by the PIC, PM and Project Health and Safety Coordinator prior to final approval by the Corporate Health and Safety Director.

2.2.4 Designated Site Supervisor

The Ramboll Designated Site Supervisor is responsible for overseeing day-to-day Site activities performed by Ramboll and its subcontractors. The principal responsibility of the designated Ramboll Site Supervisor will be to coordinate and document all on-site work necessary to fulfill approved work plans. The Ramboll Site Supervisor and Project Health and Safety Coordinator and/or Officer may be the same individual.

The Ramboll Site Supervisor reports to the PIC and Corporate Health and Safety Director. The Site Supervisor is responsible for ensuring compliance with all aspects of the HASP which include, but are not limited to, safe work practices, site access controls, work safety zones, proper personal protective equipment (PPE), review planned Site activities, implement safety procedures necessary to complete work safely, perform daily safety briefings, assist in on-site emergencies, and act as technical liaison to regulatory agency personnel. The Site Supervisor will report all Site-related injuries to the PIC/PM and the Project Health and Safety Coordinator and/or Corporate Health and Safety Director and to any other necessary authorities. The Site Supervisor will ensure that all Site personnel understand their respective emergency response duties. In the instance of any emergency or non-emergency incidents concerning Site personnel, the Site Supervisor will be contacted and will be responsible for communicating any information regarding Site safety conditions to rescue or emergency personnel. The Site Supervisor will ensure that all activities at the Site comply with the approved HASP.

Any person working on-site has the authority to **stop work** if any operation threatens the health and safety of on-site workers or the surrounding community. In the event that such a situation occurs, the Site Supervisor shall be notified immediately. Ramboll's Site Supervisor will update the Ramboll PIC/PM/MP and on all project-related health and safety issues as they arise.

The Site Supervisor will be certified in first aid and cardiopulmonary resuscitation (CPR) by the American Red Cross, or equivalent. The Site Supervisor will also be HAZWOPER trained for site work in accordance with applicable regulations and participate in a medical surveillance program.

In the event of an emergency, the Ramboll Site Supervisor will also function as the Site Emergency Response Coordinator and will implement and coordinate emergency response procedures described in this HASP.

2.2.5 Other Personnel

All other Ramboll personnel will be certified in first aid and cardiopulmonary resuscitation (CPR) by the American Red Cross, or equivalent and will also be HAZWOPER trained for site work in accordance with applicable regulations and participate in a medical surveillance program.

Ramboll's subcontractors, if needed, shall prepare their own company HASP which shall specifically govern the work performed by its employees. The contractor's HASP shall be in conformance with Ramboll's HASP.

All Subcontractors will also provide a Health and Safety Site Coordinator (HSSC) who will assist Ramboll's Site Supervisor. The subcontractor HSSC will ensure that their personnel have received appropriate health and safety training and are participating in a medical surveillance program.

Table 2: Ramboll Personnel Contact Information

Personnel Telephone Roster			
Company/Title	**Personnel**	**Office**	**Cell**
Ramboll Principal in Charge	Farshad Razmdjoo	949-798-3609	949-697-1418
Ramboll Project Manager	Matthew Sweet	973-286-4291	201-575-1715
Ramboll Corporate Health and Safety Director	Michael Haggerty	678-388-1651	770-802-3949
Ramboll Project Health and Safety Coordinator	Sharon Burkett	609-243-9832	609-306-8631
Ramboll Designated Site Supervisor	Victoria Sacks	312-288-3944	516-474-9535
Client Contact	Thomas Brennan	TBD	TBD

Table 3: Contractor/Subcontractor Contact Information

Contractor/Subcontractor Telephone Roster			
Company/Title	**Personnel**	**Office**	**Cell**
Coastal Environmental Solutions	Marc Morgenstern	631-319-6536	516-587-9570
GPRS Inc.	Josh Elam	419-843-9804	631-241-2261

3. HAZARD EVALUATION

The Project Hazard Analysis below identifies the hazards anticipated to be encountered by the project team based on the tasks presented in Section 1.5.

Table 4: Project Hazard Analysis

Chemical Hazards Present: ☐ None	☐ Flammable/combustible ☐ Compressed gas ☐ Explosive ☐ Organic peroxide ☐ Oxidizer ☐ Water reactive ☐ Unstable reactive ☒ Dust/Fumes/Particulates	☐ Corrosive ☐ Toxic ☐ Highly Toxic ☐ Irritant ☐ Sensitizer ☒ Carcinogen ☐ Mutagen ☐ Other:
Physical Hazards Present: ☐ None	☐ Heat ☒ Cold ☒ Walking/working surfaces ☐ Visible Dust ☒ Traffic/Vehicles ☒ Noise ☐ Other:	☐ Ionizing radiation ☐ Non-ionizing radiation ☐ Electricity ☒ Severe Weather ☐ Poor lighting ☒ Overhead Hazards
Environmental/Mechanical Hazards Present: ☐ None	☒ Heavy machinery/ Drill Rigs ☐ Trenching/excavation ☐ Docks-marine operations ☐ Docks-loading ☒ Drilling ☐ Forklifts ☐ Operations on Water ☒ Elevated heights (includes fall protection) ☒ Overhead/Underground utilities ☐ Confined spaces ☐ Power tools	☐ Cranes/Hoists/Rigging ☒ Ladders ☐ Scaffolding ☐ Manlifts ☐ Gas cylinders ☐ Roadway work ☐ Railroad work ☐ Energized equipment (LO/TO) ☐ Pressurized equipment (LO/TO) ☒ Drums and containers ☐ Others:
Biological Hazards Present: ☐ None	☐ Animal/human fluids or blood ☐ Animal/human tissue(s) ☒ Poisonous/irritating plants ☐ Other:	☐ Contaminated needles ☐ Live bacterial cultures ☒ Insects/rodents/snakes ☐ Other:
Ergonomics Hazards Present: ☐ None	☒ Repetitive motion ☒ Awkward position ☒ Heavy Lifting ☒ Frequent Lifting	☐ Limited movement ☐ Forceful exertions ☐ Vibration ☐ Other:
Personal Safety/Security: ☐ None	☐ Personal safety ☐ Security issue ☐ Project site in isolated area ☐ Employees working alone ☒ Wild/Feral Animals	☒ Employees working early/late ☐ Potentially dangerous wildlife ☐ Guard or stray dogs in area ☐ No/limited cell phone service ☐ Other:

3.1 Specific Chemicals of Concern

The chemicals listed in the table below includes the identification of chemical contaminants known and/or suspected of being present on-site, the affected media, known concentrations (if applicable), the Permissible Exposure Limit (PEL) or Threshold Limit Value (TLV), and the Action Level (i.e., 50% of the PEL/TLV). This information will be inserted into Table 5 below. In addition, Appendix A contains specific hazardous property information for commonly encountered chemicals although a Safety Data Sheet (SDS) (or equivalent) will also be included in Appendix A.

Table 5: Chemicals of Concern

Chemical	Environmental Media [1]	Highest Measured Concentration	PEL/TLV [2]
Tetrachloroethylene (PCE)	SO, GW, A	No data	TWA 100 ppm, C(eiling) 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm TWA 25 ppm (170 mg/m3)
Trichloroethylene (TCE)	SO, A	No data	TWA 100 ppm, C(eiling) 200 ppm 300 ppm (5-minute maximum peak in any 2 hours) TWA 50 ppm (270 mg/m3) ST 200 ppm (1080 mg/m3)

Notes:

[1] Codes for environmental media: **SL**=Sludge; **GW**=Ground Water; **SW**=Surface Water; **LW**=Liquid Waste; **SO**=Soil; **A**=Air; **OTH**= Other (Specify)

[2] PEL: Permissible Exposure Limit / TLV: Threshold Limit Value, use appropriate PEL which would be country or state specific or if one is not available may be from a recognized source.

mg/m^3: milligrams per cubic meter

mg/kg: milligrams per kilograms

ppm: Parts per million

%: Minimum percent allowed for personal entry into a space

4. HAZARD CONTROLS

In order to conduct a Task in the safest possible manner, the hazard(s) associated with a Task need to be identified so that appropriate hazard control(s) can be implemented and used by personnel conducting these Task(s). This process is called a "Job Hazard Analysis (JHA) or "Job Safety Analysis" (JSA). To aid in the JHA/JSA process, the associated Task(s) (as outlined in Section 1.5) are correlated against the anticipated hazards. A "Relative Hazard/Risk Rating" is also provided in order to identify which hazards pose the greatest risk to personnel but more importantly, what hazard controls should be implemented.

Table 6: Summary of Hazards

Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Appendix and/or HASP Section
3, 4, 5	Chemical	NA☐ Low☒ Medium☐ High☐	B1
1, 2, 3, 4, 5	Physical	NA☐ Low☐ Medium☒ High☐	B2
3	Mechanical	NA☐ Low☐ Medium☒ High☐	B3
1, 3, 4, 5	Traffic/Equipment	NA☐ Low☒ Medium☐ High☐	B4
	Electrical Hazards	NA☒ Low☐ Medium☐ High☐	B5/B20
	Fire/Explosion	NA☒ Low☐ Medium☐ High☐	B6
3	Noise (acoustical)	NA☐ Low☒ Medium☐ High☐	B7
	Ventilation / Oxygen Deficiency	NA☒ Low☐ Medium☐ High☐	B8
	Heat Stress	NA☒ Low☐ Medium☐ High☐	B9
2, 3, 4, 5	Cold Stress	NA☐ Low☐ Medium☒ High☐	B10
2, 3, 4,5	Insects, Spiders, Snakes	NA☐ Low☒ Medium☐ High☐	B11
1,2,3,4,5	Poisonous Plants	NA☐ Low☒ Medium☐ High☐	B12
	Personal Safety	NA☒ Low☐ Medium☐ High☐	B13
	Working Alone	NA☒ Low☐ Medium☐ High☐	B14
2, 3, 4, 5	Severe Weather	NA☐ Low☒ Medium☐ High☐	B15
3	Above and Underground Utilities	NA☐ Low☐ Medium☒ High☐	B16 & Sections 4.2 - 4.3
	Trenching/Excavation	NA☒ Low☐ Medium☐ High☐	B17
	Water Safety	NA☒ Low☐ Medium☐ High☐	B18
2, 3, 4	Ergonomics / Material Handling	NA☐ Low☒ Medium☐ High☐	B19

Table 6: Summary of Hazards

Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Appendix and/or HASP Section
	Power Tools	NA☒ Low☐ Medium☐ High☐	B20
1, 2, 3, 4, 5	Vehicle Use	NA☐ Low☒ Medium☐ High☐	B21
	Seasonal Hunting	NA☒ Low☐ Medium☐ High☐	B22
	Demolition	NA☒ Low☐ Medium☐ High☐	B23
	Unexploded Ordinances	NA☒ Low☐ Medium☐ High☐	B24
	Closed/Abandoned Mines	NA☒ Low☐ Medium☐ High☐	B25
	Confined Space	NA☒ Low☐ Medium☐ High☐	Section 9
3, 4	Spills	NA☐ Low☒ Medium☐ High☐	Section 8

Note:

A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.

***Relative Hazard/Risk Rating**

When evaluating a Task against a specific hazard, the evaluator should:

1. **Determine how frequently you will be conducting the Task and generally be exposed to the Hazard while on-site;**
2. **Determine the duration (i.e., the amount of time) you will spend conducting the Task; and**
3. **Determine the Severity that the Task/Hazard may cause using Table 7. When assessing the severity, assume the hypothetical injury was a result of the task being conducted improperly and that PPE was not being worn:**
   - **Minimal Severity** would require first aid and/or the property/equipment damage is limited to minor wear and tear, scratches, dents (still functional);
   - **Moderate Severity** requires professional medical attention and/or the property/equipment damage necessitates repair but not replacement; and
   - **High Severity** requires immediate medical attention/life threatening and/or the property/equipment damage is significant and requires replacement.

Table 7: *Relative Risk Rating Decision Table

The Hazard…	Has No Severity	Has Minimal Severity	Has Moderate Severity	Has High Severity
Is Not Present (i.e., 0% of your on-site time does not expose you to this Hazard)	NA	NA	NA	NA
Is Rarely Present (i.e., <25% of your on-site time exposes you to this Hazard)	NA	LOW	LOW	MED
Is Sometimes Present (i.e., 25% - <50% of your time exposes you to this Hazard)	NA	LOW	MED	HIGH
Is Frequently to Constantly Present (i.e., 50% to 100% of your time exposes you to this Hazard)	NA	MED	HIGH	HIGH

4.1 General Site Safety

All activities will be conducted in a manner that minimizes hazards and employee exposures to such hazards. The following are some general safety rules that must be followed while on site:

- All personnel who perform on site operations with the potential for exposure to hazardous substances are required to meet personnel training requirements and medical surveillance criteria, which are described in this site health and safety plan.
- All hazardous substances and contaminated soils, liquids, and other residues shall be handled, transported, labeled, and disposed of in accordance with accepted material handling procedures.
- Personnel will wear personal protective equipment as required.
- All work on site, will be planned and supervised by the appropriate personnel to prevent injuries.
- All injuries and accidents will be reported.
- Supervisors will ensure that their employees observe and obey all safety rules and regulations required for the safe conduct of work.
- Alcoholic beverages and illegal drugs will not be allowed on-site. Possession of either will be grounds for disciplinary actions.
- No employee will be assigned to a task without first having been instructed on proper methods of carrying out the task.
- All posted safety signs will be obeyed.
- Space around on-site emergency and fire-fighting equipment will be kept clear.
- All trash and discarded materials will be staged in an orderly fashion and regularly removed from the Site.

- Approval to perform work operations alone must be preapproved by the Site PM/PIC and a communication plan must be established.
- Smoking, eating, drinking, and chewing gum or tobacco will not be permitted within the work zones and will follow applicable decontamination procedures prior to eating, drinking, and/or smoking.
- Personnel should keep track of weather conditions and wind direction to the extent they could affect potential exposure.
- Personnel should be alert to any abnormal behavior on the part of other workers that might indicate distress, disorientation, or other ill effects.
- Personnel should never ignore symptoms that could indicate potential exposure to chemical contaminants. These should be immediately reported to their supervisor or the Site Health and Safety Officer.
- Visible indicators of potentially immediate danger to life and health (IDLH) conditions include:
    1. Large containers and tanks that must be entered.
    2. Enclosed spaces such as buildings or trenches that must be entered.
    3. Potentially explosive or flammable situations (indicated by bulging drums, effervescence, gas generation, or instrument readings).
    4. Extremely hazardous materials (such as cyanide, phosgene, or radiation sources).
    5. Visible vapor clouds.
    6. Areas where biological indicators such as dead animals or vegetation are located.

4.2 Specific SSC Requirements

The hazards posed by the presence of underground and overhead services are significant. Where there is a requirement for ground penetrating activity, the work shall be thoroughly vetted prior to commencing subsurface work. No intrusive work is to be conducted until the hazards associated with the possible presence of underground and overhead services have been properly identified, and safe locations for intrusion marked and agreed upon. This applies to any intrusive site work (i.e., any work which will involve the disturbance or penetration of the ground or manmade surface by mechanical or manual means, INCLUDING: trial pit excavations, borehole excavations (shell and auger, rotary, hydraulic, percussive), gas spiking, manual excavations, hand digging, intrusion into vertical, indoor, or below ground surfaces, and/or any other on-site activity where disturbance of the ground surface is required). If conducting intrusive activities, the following tasks must be completed **and documented** prior to initiating ground disturbance activities (each is summarized below):

4.2.1 Historical Site Information Review

Obtain the most recent as-built drawings and/or site plans (including underground storage tank (UST), product and vent lines), as available. Consider requesting any other site plot plans, surveys, photographs, and information that might be instructive from the client or other sources. Site information reviewed shall be specified in Table 8 SSC Actions (below).

4.2.2 Plot Plan

Develop a plot plan the accurately reflects all available information and site conditions as accurately as possible, including the number of facilities/pipelines or utilities, locations and alignments. The plot plan shall be updated as SSC activities commence to properly capture site-conditions or visual indicators. Intrusive activities shall not proceed without an updated plot plan or drawing.

4.2.3 Pre-Marking Ground Disturbance Locations

Whenever feasible, ground disturbance locations and/or areas shall be pre-marked using white stakes, white paint or white flags (or black in cases where snow is on the ground) prior to the public and/or private utility mark-outs. Pre-marking provides the line locators with visual boundaries as guidance in clearing locations and placing marks.

4.2.4 Line Location Services

In areas where public and private resources are available, **Ramboll will contact both public and private utility locate services for any project that involves intrusive activities.** In order to give line operators sufficient time to respond to a request to locate, a minimum of 72 business hours is required prior to the planned start of work. In the event that the driller/excavator retains these services, Ramboll will conduct a follow-up to confirm utility locate information.

Meet directly with the private locator and provide them with location plans, if possible. If an on-site meeting with the private locator is not possible, you MUST contact the private locator so that they understand the scope of the proposed subsurface work and the extent of their activities.

4.2.5 Site Walkover-Visual Indicators

The Designated Person MUST conduct site walk-over and complete the SSC Field Checklist (Appendix C) for all projects that involve ground disturbance. The site walk-over and visual inspection is most effective when completed during locating activities, but, at a minimum, must be completed PRIOR to ground disturbance. The main intent of the SSC Field Checklist is to identify above ground indicators which may identify the potential existence of subsurface issue. It will also be used to confirm that common utilities have been accounted for, located and verified. Any potential underground utilities should be marked on a site plot plan and the site walkover should be documented utilizing Ramboll's Subsurface Clearance Field Checklist.

4.2.6 Utility Mark-out

All known pipelines and utilities, as noted on the plot plan, pipeline map or drawing, that pass within the search zone must be located, identified and marked to indicate location and alignment.

A qualified and competent line locator shall conduct line-locating practices utilizing available pipeline maps or plot plans for all areas within the search zone. Direct connection (clamping on) to all possible nearby underground services should be undertaken whenever possible to increase the success rate/reliability in locating. **The specific ground penetration location must be cleared to the edge of the critical zone** (5 feet or 1.5m area surrounding

intrusive locations/areas in every direction) using a search and sweep method to verify maximum detection capabilities.

If anticipated services are not identified or located, drilling or ground disturbance will not occur until the service is visually identified.

Commonly used utility mark out colors and identifiers are listed below:



Upon completion of their work (whether you are on-site or not), the private locator MUST contact you to present their results. In addition to providing you with an overall summary of their work, **they must also inform you of any unique circumstance(s) which limited their ability in locating the potential presence of underground utilities (e.g., the existence of overhead electrical lines); if they encountered any abnormalities (e.g., concrete surfaces with reinforced rebar); and/or any other condition which may have diminished the validity of their results and efforts**.

Where doubt exists over the location of a service, request a site visit from the appropriate utility provider or abandon locations in the immediate area and contact the PM and/or PIC.

4.2.7 Clearance of Ground Disturbance Locations & Critical Zones

After anticipated utilities have been located and marked, use the available information along with regulatory requirements and project objectives to select final ground disturbance locations.

Each specific ground penetration location must be cleared to the edge of the critical zone (5 feet or 1.5m area surrounding intrusive locations/areas in every direction) using a search and sweep method to verify maximum detection capabilities. Ensure that all detected services and those featured on location plans are outside of the critical zone of EACH location where intrusive work will occur, using a sweep and search method.

The critical zone takes into account minimum tolerance distances from facility lines (which vary by location) and uncertainties introduced by on-site conditions, human factors, and

equipment. **No intrusive activities shall take place within a critical zone with which utilities or visual indicators intersect**. When known utilities intersect ground disturbance critical zones, boring and/or excavation location criteria should be reevaluated by the Designated Person and PM, and if possible, moved to a pre-cleared alternate location.

In the event that work is required to be conducted in a critical zone containing a marked utility or visual indicator, approval MUST be obtained from the PIC, PM and H&S Director prior to ground penetrating activities.

4.2.8 Overhead Lines

Ensure that any ground penetrating activities are located a minimum of 28 feet (9m) horizontally from any overhead electric cable supported wooden poles, or 50 feet (15m) horizontally in the case of those supported on metal poles/towers. Where this cannot be achieved, contact relevant electricity provider for guidance as well as the PIC/PM and Director H&S.

4.3 SSC Summary

If the tasks presented in this HASP involve ground penetrating work, Table 8 and the specific procedures outlined in Section 4 are applicable and must be followed. Table 8 summarizes the steps required to be completed, including justification of any exceptions. This table must be completed in its entirety prior to conducting subsurface work. If certain requirements are not applicable, describe reason for exemption.

Table 8: SSC Project Planning Checklist

Subsurface Clearance (SSC) Pre-Project Planning Checklist
Document the steps that must be followed and justify any exceptions.
This checklist MUST be completed in its entirety.

SSC Requirements	Yes	No	NA	Comments
1. Prequalification of Contractor for capability of ground disturbance work performed (See Section 4)	☒	☐	☐	Coastal Environmental Solutions
2. "Designated Person" for SSC work assigned (must be on-site)	☒	☐	☐	Ramboll personnel
3. Historical Site Information Review	☒	☐	☐	Phase I Environmental Site Assessment completed by Whitestone Associates, Inc. in 2005; Phase II Environmental Site Assessment completed by Impact Environmental in 2018
4. Development of site-specific plot plan	☒	☐	☐	Supplemental Phase II Environmental Site Assessment Scope of Work Memo dated November 15, 2018
5. Ground penetrating location marked prior to locate(s) and alternate locations chosen	☒	☐	☐	GPRS Inc.

Table 8: SSC Project Planning Checklist

Subsurface Clearance (SSC) Pre-Project Planning Checklist
Document the steps that must be followed and justify any exceptions.
This checklist MUST be completed in its entirety.

SSC Requirements	Yes	No	NA	Comments
6. Service notifications provided to clear/locate **public** utilities	☐	☐	☐	List companies notified for public locate (for example): TBD Electric: ConEd Telephone: AT&T/MCI Cable: Time Warner Cable Queens/Verizon/ Zenfi Networks Inc. Gas: ConEd List who contacted One Call: Coastal Environmental Solutions, Inc. List One Call #: 183551167 List locate ticket #:
7. **Private** locate contracted for on-site utilities	☒	☐	☐	GPRS Inc.
8. Designated Person present during private locating	☒	☐	☐	Ramboll personnel
9. Underground utilities identified prior to commencement of intrusive activities as reasonably feasible	☒	☐	☐	Will be completed by GPRS Inc. with oversight of Ramboll personnel.
10. Site walkover conducted to assess utility locations, visual indicators and complete SSC Field Checklist	☒	☐	☐	Site walkover and SSC Field Checklist will be conducted/completed by Ramboll personnel.
11. Ground penetration locations(s)/area(s) and Critical Zones (i.e., the 5ft or 1.5m distance surrounding intrusive activities in every direction) cleared	☒	☐	☐	Will be addressed during GPRS Inc. survey.

5. PERSONNEL TRAINING REQUIREMENTS

All personnel performing on-site operations with the potential for exposure to hazardous substances or health hazards will meet the personnel training requirements in accordance with applicable regulations. The training policies and procedures will ensure that personnel can recognize hazards, understand emergency response procedures, and have the knowledge necessary to enable them to perform their assigned jobs in a manner that ensures employee and public safety. Completion of appropriate health and safety training, as described below, and participation of medical surveillance will be required to gain access to on-site areas other than the Support Zone. Documentation of training includes initial 40-hour health and safety training, 8 hours of annual refresher training, 8 hours of supervisor training, supervised field experience, first aid training, and CPR certification.

5.1 Initial Training

A. Basic Health and Safety Training

A minimum of 24 hours of initial health and safety training off-site is required to obtain on-site access to areas other than the Support Zone. All personnel engaged in or supervising activities in the Exclusion Zone (EZ) or Contamination Reduction Zone (CRZ) will have a minimum of 40 hours of initial health and safety training off-site, meeting the in accordance with applicable regulations.

B. Supervised Field Experience

All personnel with 24 hours of initial health and safety training are also required to have a minimum of 1 day of field experience under the direct supervision of an experienced supervisor. Personnel with 40 hours of initial health and safety training are required to have a minimum of 3 days of field experience under the direct supervision of an experienced supervisor.

C. Supervisor Training

All on-site managers and supervisors directly responsible for, or who supervise personnel engaged in invasive site activities will have received the initial 40-hour health and safety training and at least 8 additional hours of specialized off-site training consistent with in accordance with applicable regulations. This specialized training will include topics such as, but not limited to, regulatory compliance, management of on-site health and safety hazards and recognition of special personnel training needs.

D. Health and Safety Officer Training

Health and safety officers will be trained to a level required by their job function and responsibility. This will include training in implementation of HASPs and compliance with applicable health and safety requirements.

E. First Aid and CPR Training

Ramboll personnel will maintain first aid and CPR training as certified by the American Heart Association (or equivalent) to render first aid and CPR.

5.2 Refresher Training

All personnel who have received 40 hours of initial health and safety training will receive 8 hours of refresher training annually, as specified in accordance with applicable regulations. Topics to be covered in this training program will include those specified in the initial 40-hour health and safety training and/or those specified in the supervisory training course, as well as a critique of incidents that could serve as training examples.

Project-specific refresher training will be provided when the project scope is changed and/or when the hazards change.

A. Site Safety Briefings

Site safety briefings will be conducted prior to the start of each work day or work shift to discuss health and safety issues, changes in work procedures, exposure incidents and other relevant information. Prior to each change in operations, the meetings will address PPE use and maintenance, physical safety hazards from machinery, protection from chemical hazards, decontamination procedures, protection from heat/cold stress and specific safety requirements associated with the new operations. During safety meetings, on-site personnel qualified to perform first aid and CPR will be identified. All changes in the HASP will be reviewed during the morning safety briefing. A record of the meeting will be written daily and signed by all participants and included in Section 13.0 of this HASP.

B. Visitor's Briefing

Visitors will not be permitted to enter areas other than the Support Zone unless documentation of training, as described above, is presented to the Ramboll site supervisor. All visitors will be provided with applicable site specific information including but not limited to hazard recognition, personnel hygiene and Site safety rules, use of PPE, and emergency response procedures. Visitors requesting on-site access to areas other than the Support Zone will be required to review and sign off on the HASP to ensure understanding and compliance with the provisions in the HASP. All personnel, contractors, and site visitors will receive information contained in this HASP and any site-specific hazard awareness prior to entry into the site, as applicable. The training will ensure that personnel can recognize hazards, understand emergency response procedures, and have the knowledge necessary to enable them to perform their assigned jobs in a manner that ensures employee and public safety. All personnel will be required to sign an attendance sheet (see Section 13.0 in this HASP) verifying that they received and participated in a training briefing. Individuals refusing to sign the sheet will not be allowed to work on the Site.

Compliance with Hazard Communication Standard is required for work at this Site. Safety Data Sheets (SDSs) are part of Appendix A. Personnel shall receive training for the identification of hazards associated with the materials in use and the safe use of these materials, as applicable. Any hazardous chemical products brought to the Site (other than standard fuels) for use during field activities must be reviewed by the Site Supervisor. Contractors are responsible for having their own hazard communication program. Contractors will supply SDS to the Site Supervisor for all products to be used on-site.

In addition, any employee who is or is expected to be directly involved with intrusive sampling of contaminated environmental media or other sampling activities that could reasonably lead to chemical exposure is subject to appropriate training and standards,

including but not limited to 40-hour HAZWOPER (and 8-hour refresher training), respiratory protection, first aid, and CPR training. This would include any employee that visits exclusion zones of hazardous waste sites or remediation sites.

5.3 Hazard Communication

The following procedures related to hazard communication are applicable to this site. All employees will be briefed on this program.

5.3.1 Container Labeling

All containers received on site will be inspected to ensure the following: (1) All containers will be clearly labeled as to the contents; (2) the appropriate hazard warnings will be noted; and (3) the name and address of the manufacturer will be listed.

All drums or bins to be shipped off the site will have a label affixed with the following information: (1) the identity of the waste generator, (2) the boring, well, or excavation identification and sample depth, (3) the waste matrix (e.g. soil, water, product), and (4) the date of waste generation.

5.3.2 Employee Training & Information

Prior to starting work, each employee will attend a health and safety orientation and will receive information and training on the following:

1. An overview of the requirements contained in the Hazard Communication Standard;
2. Hazardous chemicals present in their workplace operations;
3. Location and availability of a written hazard communication program;
4. How to read labels and review SDSs to obtain appropriate hazard information;
5. Locations of SDS files and the hazardous chemical inventory;
6. Physical and health effects of the hazardous chemicals;
7. Methods and observation techniques used to determine the presence or release of hazardous chemicals;
8. How to lessen or prevent exposure to these hazardous chemicals through usage of control/work practices and personal protective equipment; and
9. Emergency procedures to follow if they are exposed to these chemicals.

Ramboll employee(s) will inform its subcontractor(s) the hazardous chemicals brought on-site by Ramboll; and likewise, subcontractors shall inform Ramboll employees the same.

5.4 Disciplinary Actions

In the event that personnel do not follow the H&S safety rules and/or are conducting operations that are hazardous to themselves or their fellow workers, disciplinary actions will be implemented in accordance with Ramboll's policies.

5.5 Incident Reporting

Each contractor is responsible for maintaining injury and illness records in accordance with applicable regulations and supplying Ramboll with applicable records in a timely fashion upon request. With respect to incidents, the following types of EHS incidents are to be reported:

- All employee injuries and illnesses that include first aid, doctor/hospital visits which may or may not involve restricted work and/or lost time;
- Environmental incidents and exposures, such as spills or other unplanned releases to the environment or nonconformance to operating procedures;
- All evacuations (false or real);
- Any Property damage;
- Near miss incidents which could have resulted in an injury, an accident, environmental impact or significant loss of facilities;
- Public/third party liability - Incidents that involve injury, illness or property damage due to the actions of any non-Ramboll employee arising out of, or in connection with the Firm's contracted scope of work, operations, products, or premises.

As a rule of thumb, all of the incidents types outlined above MUST be communicated by the Ramboll Site Supervisor to either the PIC/PM and the Corporate Health and Safety Director and/or Project Health and Safety Coordinator immediately following the incident, either in person or via phone, e-mail, or text messaging. The contacted person will then ensure that the other core project members are informed either in person or via phone, e-mail, or text messaging, regardless of time of day. As soon as possible after the incident but no later than 72 hours after the event, the first page of the Incident Investigation Report form will be completed by the Site Supervisor or his/her designee and sent the core project members (i.e., the PIC/PM, Corporate Health and Safety Director, Project Health and Safety Coordinator), for preliminary root cause analysis. The root cause analysis will not be deemed complete until input from all individuals involved in the incident, applicable witnesses, and input from the core team has been obtained. Similarly, the implementation of any corrective/preventive actions will NOT be implemented until input from the Corporate Health and Safety Director (and others as necessary) has been obtained.

6. MEDICAL SURVEILLANCE AND RECORDKEEPING

The goals of the medical surveillance program are to monitor the health of potentially exposed personnel through the use of medical examinations and diagnostic laboratory testing, to provide medical care for occupational injury or illness, to keep accurate records for future reference and to ensure the selection of personnel physically able to safely perform the work assigned. The medical surveillance program supports and monitors the effectiveness of the primary health and safety goal of controlling worker exposure to hazardous substances. Medical examinations will be performed by or under the supervision of a licensed physician, preferably one knowledgeable in occupational medicine.

In general, all employees who may be exposed to hazardous substances above the permissible limits; who wear a respirator; or who are injured, become ill, or develop signs or symptoms due to possible overexposure to hazardous substances from hazardous waste operations must be medically monitored. Ramboll's requirement is for all employees to be subject to Medical Surveillance Program as well as any employee who may wear a respirator, regardless of the during of use.

Each employee enrolled in the Medical Surveillance Program will be subject to periodic medical exams, the frequency of which will vary depending on the extent and duration of exposure, the type of chemicals involved, and the individual employee's medical profile. These personnel will receive a medical examination at least once per calendar year.

Documentation of current participation in a medical surveillance program and fitness for duty, including ability to wear respiratory protective equipment, will be necessary for all personnel who work on-site in areas other than the Support Zone. However, all specific medical information and examination results obtained in the course of administration of the medical surveillance program will be maintained by the examining physician as confidential.

6.1 Baseline Medical Examinations

The baseline medical examination serves two major purposes: (1) it determines the individual's fitness for duty, including the ability to work while wearing a respirator; and (2) it provides baseline data for comparison with future medical data. The baseline medical examination will include, at a minimum, the following:

1. Complete occupational and medical history;
2. Physical examination;
3. Blood count and chemistry profile;
4. Urinalysis with microscopic review;
5. Chest x-ray;
6. Pulmonary function tests;
7. Resting electrocardiogram (EKG); and
8. Cardiac stress test (at physician's discretion).

Certification of fitness for duty and ability to wear personal protective equipment must be provided to gain access to on-site areas other than the Support Zone. However, all specific medical information obtained in the course of administration of the medical surveillance program will be maintained as confidential.

6.2 Periodic Medical Examinations

Each individual enrolled in the medical surveillance program will be subject to periodic medical surveillance examinations. In general, personnel involved in field activities with a frequency of greater than 30 days per year will receive medical examinations at least annually. Periodic medical examinations should include the parameters included in the baseline examination, with the exception of the chest x-ray and EKG, which are repeated after the baseline examination at the physician's discretion and with agreement of the individual.

6.3 Special Medical Examinations

Special medical examinations or consultations will be arranged for personnel exposed in an emergency situation to hazardous substances at concentrations above the PELs without adequate protection. This will be done as soon as possible after the overexposure has been determined by the Site Supervisor, in consultation with the Corporate Health and Safety Director.

Special medical examinations shall also be arranged upon notification by the individual that he/she has developed signs or symptoms indicating a possible overexposure to hazardous substances, or if the examining physician determines that a more frequent medical examination is necessary.

6.4 Special Circumstances

Any individual who is on a medication that may interfere with the ability to perform his/her job function, or who may require special medical attention, must notify the Site Supervisor of these circumstances prior to commencing work at the Site.

6.5 Health and Safety Records

Health and safety records for on-site Ramboll personnel including but not limited to training, medical clearances, fit testing, and any monitoring will be kept on file by the Corporate Health and Safety Director and on-site by the Site Supervisor, as applicable. Sub-contractor and contractor health and safety records shall be maintained by the applicable sub-contractor and/or contractor and provided to the Site Supervisor. Ramboll Personnel Training and Medical Records are maintained at Ramboll, 333 West Wacker Drive, Chicago, Illinois. RECORDS WILL BE MAINTAINED ON-SITE AS NECESSARY.

7. PERSONAL PROTECTIVE EQUIPMENT

This section of the Site Health and Safety Plan is a reference of selection for different levels of PPE. The protective equipment will be selected based on the contaminant type(s), concentration(s) in air (if any), standing liquid (if any), or other applicable matrix, and the known route(s) of entry into the human body. In situations where the type of materials, their concentrations, or exposure potentials are unknown, a decision based on professional judgment regarding the assignment of personal protective equipment will be made by the HSC.

7.1 Selection of PPE

The selected PPE should be able to resist degradation, penetration, and permeation by the contaminants present at the Site. In selecting the appropriate protective material, the following should be considered: chemical resistance; tear and puncture resistance; flexibility; thermal stress; cleanability; and durability.

PPE will be selected, used and maintained in accordance with applicable regulations.

Levels of PPE

The four levels of PPE are Levels A, B, C, and D, with Level A providing the highest available level of respiratory, skin, and eye protection. A summary of the basic PPE ensemble for Levels A, B, C, and D is provided below. PPE selection for operations at the Site will be tailored to address specific task conditions.

Level A

Level A PPE provides the maximum degree of respiratory, skin, and eye protection. A Level A PPE ensemble should include:

- Full-face piece self-contained breathing apparatus (SCBA) or full-face piece supplied air respirator with escape SCBA;
- Fully encapsulating, chemical-resistant suit, safety boots and inner gloves; and
- Hard hat (if overhead or bump hazards exist).

Level B

Level B PPE provides the maximum level of respiratory protection. Since chemical-resistant clothing is not considered gas, vapor, or particulate tight, Level B PPE does not provide the maximum skin protection. However, a good quality, hooded, chemical-resistant one-piece garment with taped wrists and ankles provides a reasonable degree of protection against splashes of liquids and lower concentrations of chemicals in ambient air. It is the minimum level recommended for confined space entries and initial Site entries until the hazards have been further identified. Level B PPE should be used when **any** one of the following criteria is met:

- The type and atmospheric concentration of substances have been identified and require a high level of respiratory protection but less skin protection -- this includes atmospheres with IDLH concentrations of specific substances that do not represent a severe skin hazard or atmospheres that do not meet the criteria for use of air-purifying respirators;

- Atmosphere contains less than 19.5% oxygen; or
- Presence of incompletely identified vapors or gases is indicated by air monitoring instruments but vapors and gases are not suspected of containing high levels of chemicals harmful to skin or capable of being absorbed through the intact skin.

Level C

Level C PPE provides the same level of skin protection as Level B PPE, but a lower level of respiratory protection. Air-purifying respirators can be used only if the substance has adequate warning properties; the individual passes a qualitative fit-test for the mask; an appropriate cartridge/canister is used and its service limit concentration is not exceeded; and Site operations are not likely to generate unknown compounds or excessive concentrations of already identified substances. Level C PPE can be used when **all** of the following conditions are met:

- Oxygen concentrations are not less than 19.5%;
- Atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect any exposed skin;
- Types of air contaminants have been identified, concentrations measured, and a cartridge or canister is available that can remove the contaminant;
- Atmospheric contaminant concentrations do not exceed IDLH levels; and
- Job functions do not require self-contained breathing apparatus (SCBAs).

Modified Level D

Modified Level D PPE provides minimal skin protection (i.e., hand/glove protection along with standard work clothes with optional coveralls) and no respiratory protection. Modified Level D PPE can be used when the following conditions are met:

- Atmosphere contains no known hazard;
- Oxygen concentrations are not less than 19.5%;
- Work functions include minimal contact with contaminated soil, water, groundwater and precludes splashes, immersion, or the potential for unexpected inhalation of or contact with hazardous levels of any chemicals.

Level D

Level D PPE provides no skin protection other than standard work clothes and no respiratory protection. Work functions are limited non-hazardous environments and preclude contact with media that may be potentially contaminated at hazardous levels for any type of chemical.

7.2 Respirator Fit Test

A respirator fit test will be conducted on all Site personnel who will perform work operations in areas other than the Support Zone. Prior to the initiation of any fit testing, personnel must be certified as medically able to wear a respirator. The respirator fit test is conducted to ensure proper face piece-to-face seal. A secure fit is important with positive-pressure

equipment, and is essential to the safe functioning of negative-pressure equipment, such as most air-purifying respirators. Personnel will receive instruction on proper wear and maintenance of the respirator.

Qualitative fit tests will be conducted annually in accordance with the ANSI Practices for Respiratory Protection, Z88.2-1989. In addition, a negative and positive fit check will be performed each time an employee dons the air-purifying respirator (APR). Documentation of annual respirator fit tests will be kept in the Support Zone.

7.2.1 Negative and Positive Fit Check

The negative and positive pressure fit check will be performed each time an employee dons the APR. The negative pressure fit check involves closing off the inlet openings to the APR cartridges by covering with the palms of the hands. If an inward leakage of air is detected, the APR should be checked for material defects and refitted or replaced with another APR.

The positive pressure fit check is performed by placing the palm of hand over the exhalation valve and gently exhaling for 10 seconds to create positive pressure inside the facepiece. If an outward air leak is detected, the APR should be readjusted. If after readjustment leakage still occurs, another APR should be used.

7.3 PPE Inspection Checklist and Maintenance

PPE inspections will be conducted upon receipt of PPE from the factory or distributor; when it is issued to workers; after use or training; and prior to maintenance. Periodic inspections of stored equipment will be conducted routinely, whenever a question arises concerning the appropriateness of the selected equipment, or when problems with similar equipment arise. At a minimum, PPE inspection should include the following:

A. Clothing

Before use:

1. Determine that the clothing material is correct for the specified task.
2. Visually inspect for:
   - Imperfect seams
   - On-uniform coatings
   - Tears
   - Malfunctioning Closures
3. Hold up to light and check for pinholes
4. Flex product:
   - Observe for cracks
   - Observe for other signs of shelf deterioration
5. If the product has been used previously, inspect inside and out for signs of chemical breakthrough or deterioration, such as:
   - Discoloration

- Swelling
- Stiffness

6. During the work task, periodically inspect for:
   - Evidence of chemical attack such as discoloration, swelling, stiffening, and softening. Keep in mind that chemical permeation can occur without any visible effects.
   - Closure failure
   - Tears
   - Punctures
   - Seam discontinuities

B. Gloves

Before use, pressurize glove to check for pinholes. Either blow into glove, then roll gauntlet towards fingers or inflate glove and hold under water. In either case, no air should escape.

C. Respirators

SCBA/supplied air/air-purifying:

1. Inspect SCBA/supplied air/air-purifying respirators before and after each use, at least monthly when in storage and during cleaning. Air-purifying respirators should be inspected before each use to be sure they have been adequately cleaned.
2. Check all connections for tightness, inspect air lines prior to each use for cracks, kinks, cuts, frays, and weak areas.
3. Check for proper setting and operation of regulators and valves (according to manufacturer's recommendations) and check operation of alarms.
4. Check material conditions for:
   - Signs of pliability
   - Signs of deterioration
   - Signs of distortion
5. Check face shields and lenses for:
   - Cracks
   - Crazing
   - Fogginess
6. Examine cartridges or canisters to ensure that:
   - They are the proper type for the intended use,
   - The expiration date has not passed, and
   - They have not been opened or used previously.

7.4 Task Specific PPE

This section of the Project Health and Safety Plan is used for the selection of the appropriate PPE. The protective equipment will be selected based on the contaminant type(s), concentration(s) in air (if any), standing liquid (if any), or other applicable matrix (e.g., soil, sludge, sediment, etc.) and the known route(s) of entry into the human body. Table 9 presents the general level of protection to be used for each task that is anticipated to be conducted on this Project.

Table 10 identifies the specific PPE items that are required or recommended to be used on this project. This includes identifying the specific type of hand and body protection (as applicable) for the chemicals that may be encounter while conducting the tasks outlined in this HASP.

Table 9: Task Specific PPE

Task Description as depicted in Section 1.5	Level of Protection				
	A	B	C	Mod D	D
Task 1 - Travel to/from Site	☐	☐	☐	☐	☒
Task 2 - Oversee Ground Penetrating Radar Survey	☐	☐	☐	☐	☒
Task 3 – Oversee Qualified Environmental Driller Install Soil Borings, Temporary Wells and Soil Vapor Points	☐	☐	☐	☒	☐
Task 4 – Collect Soil, Groundwater and Soil Vapor Samples	☐	☐	☐	☒	☐
Task 5 - HBMI	☐	☐	☐	☒	☐

Key:

Level D: Long sleeve shirt*; long pants*; hard hat; eye protection; hearing protection; and safety shoes.

Level D Modified: Level D protection plus protective coveralls, as required; and appropriate hand protection.

Level C: Level D (Modified) protection plus negative pressure respiratory protection with appropriate cartridges; chemical protective coveralls in lieu of general coveralls; use of inner and outer sets of hand protection.

Level B: Level C protection plus Pressure-demand supplied air respirator with escape bottle in lieu of negative pressure respirator; chemical resistant coveralls with hood; chemical resistant boots.

Level A: Level B protection plus fully encapsulating (gas tight) chemically resistant suit.

***Clothing made of natural fibers shall be worn when a shock or arc flash hazard exists.

Table 10: Personal Protective Equipment and Supplies

Equipment	Req	Rec	NA	Equipment	Req	Rec	NA
Steel-toe Boots	☒	☐	☐	SCBA	☐	☐	☒

Table 10: Personal Protective Equipment and Supplies

Equipment	Req	Rec	NA	Equipment	Req	Rec	NA
Outer Disposable Boots	☐	☐	☒	Full-face Airline Resp.	☐	☐	☒
Long Sleeve Shirt and Pants	☒	☐	☐	Full Face Negative Pressure Resp.	☐	☐	☒
Flame Retardant Coveralls	☐	☐	☒	Half Face Negative Pressure Resp (task 5 only)	☐	☒	☐
Tyvek Suit	☐	☐	☒	Powered Air Purifying Resp	☐	☐	☒
Poly-coated Tyvek / Saranex Suit	☐	☐	☒	First Aid Kit	☒	☐	☐
Fully Encapsulated Chemical Suit	☐	☐	☒	Fire Extinguisher	☐	☒	☐
Hearing Protection	☒	☐	☐	Mobile Phones	☒	☐	☐
Leather Gloves	☐	☐	☒	Walkie Talkies	☐	☐	☒
Outer Chemical Gloves (Type): Nitrile	☒	☐	☐	Water or Other Fluid Replenishment	☒	☐	☐
Inner Chemical Gloves (Type):	☐	☐	☒	Eye Wash	☐	☒	☐
Hard Hat	☒	☐	☐	Sunscreen	☐	☒	☐
Safety Glasses with Side Shields	☒	☐	☐	Insect Repellent	☐	☒	☐
Vented (Splash proof) Goggles	☐	☐	☒	Other:	☐	☐	☐

Key:

Req = Required;

Rec = Recommended;

NA = Not Applicable

8. AIR MONITORING/SAMPLING PROCEDURES

Air samples may be collected during the project to identify and quantify airborne contaminants in order to delineate areas where PPE may be needed; determine the level of PPE necessary; document on-site employees' exposures; assess the potential health effects of exposure; determine the need to implement engineering controls or evacuate the work zone or Site; and determine the need for specific medical monitoring. Some commonly used devices include the following:

Combustible Gas Indicator (CGI) – Examples include O2 / LEL meter. A CGI measures the concentration of a combustible gas or vapor. It's accuracy is, in part, dependent upon on the difference between the calibration and sampling temperatures; oxygen-deficient atmospheres also affect accuracy; filament can be damaged by silicones, halides, and tetraethyl lead; and the sensitivity is a function of the difference in the chemical and physical properties between the calibration gas and the unknown.

Flame Ionization Detector (FID) – Examples include Organic Vapor Analyzers (OVA). Depending on mode, it may detect many organic gases and vapors. A FID will not detect inorganic gases and vapors; has reduced reliability in high humidity conditions; and should not be used when temperatures are below 40F (4.4C).

Ultraviolet (UV) Photo Ionization Detector (PID) – Examples include HNU. Detects a number of organic and some inorganic gases and vapors. A PID does not detect methane; does not detect a compound if the probe used has a lower energy than the compound's ionization potential; does not readily ionize fully chlorinated materials; high humidity affect readings; low humidity affects operation; response is sensitive to dust or moisture on the lamp; and responses will fluctuate when gases are mixed.

Infrared Spectrophotometer (IR) – Examples include Miran. Measures concentrations of many gases and vapors in the air but designed to quantify one- or two- component mixtures. Not approved for use in hazardous conditions; must make repeated passes to achieve reliable results; and somewhat bulky/heavy.

Direct-Read Colorimetric Tubes – Examples include Drager. The compound reacts with the indicator chemical in the tube, producing a stain whose length is proportional to the compounds' concentration. Results are affected by temperature, pressure, and humidity; many similar compounds interfere with results.

Personal Air Monitoring – Quantitative air sampling for nuisance dust, metals, organic and inorganic compounds. Samples are collected using personal air sampling pumps and the appropriate sampling media. All personnel samples will be collected in the employees breathing zone over the duration of the work shift. The specific methods to be utilized for the collection of personal air samples will require the involvement of a Certified Industrial Hygienist (CIH) if this type of sampling will be conducted.

8.1 Using Monitoring Devices

Conducting an applicable task may necessitate using one or more monitoring devices as listed in Table 11, particularly if gases, vapors, explosion hazards and/or oxygen deficient atmosphere can occur or are expected. If a monitoring device will be utilized, the corresponding device letter should be placed in the column labeled "Monitoring Instrument Required" in Table 12. In addition, you MUST record the following information in the field log book if you are going to use a monitoring device:

1. Instrument name and serial number.
2. Date of calibration.
3. Frequency/duration of monitoring.
4. The monitoring results.
5. And the actions taken based on the results, even if "no actions are required to be taken".

Table 11: Monitoring Devices Available

A	PID (10.6 eV)	**H**	Summa Canister
B	PID (11.7 eV)	**I**	Heat Stress Monitor
C	FID	**J**	Air Sampling:
D	OVA	**K**	Air Sampling:
E	CGI/LEL	**L**	Radiation Detector
F	Colorimetric Indicator Tubes	**M**	Gas Multimeter
G	Dust Monitoring	**N**	Other Device:

With respect to Table 12, also insert the task and the applicable Action Level in the appropriate box using 50% of the most restrictive (lowest) PEL or TLV as the Trigger. For example, if the most restrictive PEL for a particular VOC is 50 ppm, use 25 ppm as the "Trigger" value.

Table 12: Required Monitoring

Required Monitoring If monitoring is necessary to identify that a risk is at or above tolerable limits and/or is used in controlling a risk on site, document the task and the maximum allowable exposure or trigger, and the monitoring instrument required to be used.	Constituent	Task(s)	Trigger (Action Level)	Monitoring Instrument Required
	Oxygen		19.5% to 23.5%	
	Carbon Monoxide		25 ppm	
	H_2S		5 ppm	
	C_2S			
	CH_4		0.5% or 5000 ppm	
	VOCs: Total	3, 4	0.5 ppm	A
	Semi-VOCs:			
	Metals			
	Dusts			
	Others:			
	Others:			

8.2 Action Level Guidance

In general, this HASP must address site-specific chemicals as noted in Tables 11 and 12. However, there are chemicals commonly encountered in the workplace that may not be a chemical targeted for sampling but nonetheless will have adverse health effects. These chemicals are listed in Table 13 below.

Table 13: Action Levels for Commonly Encountered Compounds

Compound	Action Level
VOC (as Benzene)	0.5 ppm MAXIMUM
CH_4	0.5% MAXIMUM or 5000 ppm
CO_2	0.25% OR 2500 ppm MAXIMUM
CO	25 ppm MAXIMUM
H_2S	5 ppm MAXIMUM
O_2	19% MINIMUM – 23.5% MAXIMUM

8.2.1 Volatile Organic Compound

An action level for each chemical or group of chemicals should be based on 50% of the most restrictive (lowest) PEL or TLV. If a sustained (i.e., 1-minute sampling period) total volatile organic compound (VOC) reading within the breathing zone as determined by a photo ionization detector (PID) is above the action level, site personnel shall attempt to mitigate the situation through the use of engineering controls (i.e., move upwind, increase air

circulation) as indicated in Table 14. If the action level still cannot be met, personnel shall leave the area and contact the PM and HSC for further instructions.

Table 14: Volatile Organic Compound

Instrument	Calibration Gas Standard	Frequency/ Duration of Air Monitoring	Action Level(1) Above Background (Breathing Zone)	Action
Photo ionization detector (PID) calibrated daily	100 ppm isobutylene	Every 5-10 minutes, take a 1-minute reading.	> 5 ppm above background level	Introduce engineering controls (i.e., blower fans) (Level D) Evaluate controls (see below)
After Introduction of Engineering Controls				
PID calibrated daily	100 ppm isobutylene	Every 5-10 minutes, take a 1-minute reading.	< 5 ppm	Continue work (Level D)
			5-50 ppm above background level	Don respirator (Level C); Contact HSC to evaluate
			> 50 ppm above background level	Discontinue work (Level C)

Note:

(1) Action Levels for "Known contaminants" should be based upon each contaminant's Permissible Exposure Limit (PEL) or Threshold Limit Value (TLV).

8.2.2 Odors

If strong odors are encountered or if personnel develop headaches, dizziness or other potential exposure symptoms, the personnel shall leave the work area to a well-ventilated area and contact the PM and HSC for further instructions.

8.2.3 Dusts

The permissible exposure levels for total and respirable dusts are 15 and 5 mg/m ^{3}, respectively. In general, at these concentrations you will not be able to read the face of a wristwatch (with your arm extended) when the total dust concentration reaches 15 mg/m ^{3}. Particles of dust in the respirable size range cannot be seen without the aid of a microscope but in aggregate, may be perceived as a haze. More importantly and with few exceptions, when dust is noticeable in the air, more respirable particles will exist than larger particles.

Typically, controlling dusty investigative activities through the use of a water sprayer will control potential exposures. However, in the event that dusty conditions exist that are not related to investigative/remedial activities (dry, uncovered soils with high winds), personnel shall leave the area and contact the PM and HSC for further instructions.

Nonetheless, to determine the likelihood of exposure from dusts, a theoretical "Total Dust" concentration in mg/m ^{3} can be calculated to estimate the total dust concentration in which the concentration of the contaminant in the soil could equal and/or exceed its' established exposure limit (EL). This equation is as follows:

Total Dust (mg/m ^{3}) = (10^6 mg/kg) (**EL** mg/m ^{3}) / (Conc. of contaminant in soil mg /kg) (**SF**)

Where:

EL = Exposure Limit of the contaminant of concern (e.g., its' PEL or TLV in mg/m ^{3}); and

SF = Safety Factor, a number between one and ten. Used to account for the degree of confidence in the characterization data (a ten would represent a poor degree of confidence, for example only one soil sample was collected / analyzed to characterize the site).

The **SF** is based upon the following assumptions: 1) the concentration of the contaminant in the airborne dust is the same as its' concentration in the sample matrix; 2) the soil data depicts a representative "worst-case" scenario; 3) the monitoring instrument used, accurately measures the ambient concentration of particulate matter in the air; and 4) a single contaminant of concern is present.

As an example, assume that Lead (with an EL of 0.05 mg/m ^{3}) is the contaminant of concern and a soil concentration of 25,000 mg/kg has been identified. Depending on the SF used, the theoretical total dust concentration will range between 2 to 0.2 mg/m^3. This means that when the in-situ particulate monitoring device is registering a concentration within 2 to 0.2 mg/m ^{3} range, there is a high probability that this dust contains enough lead to equal and/or exceed the EL. Hence, the level of PPE used would be increased until engineering controls are determined to be effective as documented by personal monitoring.

9. CONFINED SPACE ENTRY

Ramboll's health and safety policy prohibits unauthorized entry into confined spaces. In the event that entry into a confined space is required, prior to entering a confined space, Ramboll employees (or its subcontractor's employees) will need additional training. Without Confined Space training, entry into confined spaces is prohibited. In addition, entry authorization will only be given after Ramboll management has reviewed the nature of the confined space, the hazards present, and the measures needed to ensure safety. Under these circumstances, Ramboll will work with the host facility/client to determine training requirements, sampling requirements, written program requirements, and equipment needed to safely enter the confined space.

It is not anticipated that confined space entry will be required for this project and/or the tasks listed in this HASP. If confined space entry is required, this HASP will be modified accordingly and all applicable regulations will be adhered to.

10. SPILL RESPONSE

If warranted, before any spill clean-up work is initiated at the site, applicable local, state, and/or Federal Emergency Response Authorities will be identified and contacted by either the Client Contact and/or a designated Ramboll employee.

10.1 Reporting and Initial Personnel Safety

Upon discovery of a hazardous substance spill, personnel are to:

- Immediately summon help by notifying the Project Manager and the Client Contact;
- Take action to ensure the safety of nearby personnel;
- Proceed to a safe location;
- If anyone is seriously injured, immediately contact emergency medical services; and
- Keep unauthorized personnel out of the area.

10.2 Initial Spill Reaction

Factors that limit the employee's response at the site of a spill are:

- Level of training,
- Personal safety,
- Available personal protective equipment (PPE), and
- Knowledge of the substance.

Employees should limit their actions to shutting off equipment or pumps and closing valves if possible, feasible and safe to do so.

10.3 Spill Response Evaluation

The identity and hazards of the spilled material should be determined before decisions regarding spill containment and control are made. The Client contact and Project Manager should evaluate the hazards regarding the spill and decide whether project employees or external response organizations should conduct the cleanup.

The Project Manager must contact the Principal in Charge and Corporate Health and Safety Director to discuss the spill incident for further input on deciding how the cleanup can be conducted, including:

- Levels of PPE and safety procedures,
- Safety and work zones,
- All steps of the response activities,
- Most effective procedures or methods for cleanup,
- Means of containment,
- Leak of spill control, and
- Decontamination procedures (including Emergency decontamination).

11. DECONTAMINATION

11.1 Sampling and Construction Equipment Decontamination

Decontamination involves the orderly controlled removal of contaminants. All undedicated sampling equipment and sampling meters (if applicable) will be cleaned prior to and between each use. All on-site equipment will be decontaminated and allowed to air dry before leaving the site. Decontamination maybe accomplished using an approved cleaner, water, and steam. Subcontractors will be responsible for decontamination of their own equipment used during field operations, as well as disposal of the decontamination fluids. Decontamination fluids and soil cuttings will be temporarily stored in sealed and labeled 55-gallon drums, staged at a safe location which is mutually acceptable to Ramboll and the host facility, pending offsite disposal. The decontamination methods will be as follows:

11.2 Personnel Decontamination

All site personnel should minimize contact with contaminants. At a minimum, the gross removal of contaminants from PPE shall occur in a designated area. All disposable PPE will be disposed of in approved 55-gallon drums (including respirator cartridges). Non-disposal PPE must be decontaminated, particularly safety boots. Any PPE that cannot be decontaminated should be disposed of along with the waste generated from field operations. The drums will be sealed and labeled appropriately, stored at a single secure location on the site, and be disposed of appropriately off-site. Personnel should wash their hands and face prior to departing from the site and prior to eating, drinking, smoking and/or applying cosmetics. The decontamination methods will be as follows:

Modified Level D Personnel Decontamination

Where activities are performed in modified Level D PPE personnel will perform decontamination using the following guidelines:

- Place tools, instruments, samples and trash at an appropriate location. The equipment drop area should be clean and dry and at a minimum, plastic bags should be available for trash. Waste PPE will not be placed in the same containers as general trash.
- Inspect equipment, samples, and if applicable, tools for signs of residual amounts of contamination or excessive soil buildup. If present, soils and contamination must be completely cleaned off of equipment, samples, and tools prior to removal from the decontamination areas.
- Personnel will visually check themselves for signs of excessive soils and possible contamination. If observed, soils and contamination will be completely removed before further decontamination is performed.
- Remove outer work gloves and place in an appropriate container specified for waste PPE.
- Remove outer Tyvek coveralls if used and place them in an appropriate container specified for waste PPE.
- Remove inner protective gloves and place them in an appropriate container specified for waste PPE.

- Remove inner protective gloves and place them in an appropriate container specified for waste PPE.
- Wash hands using soap and water (separate from other decontamination cleaners/solutions).

Level C Personnel Decontamination

Personnel involved in activities that require the use of Level C PPE will observe the following decontamination guidelines:

- Place tools, instruments, samples and trash at an appropriate location. There areas should be clean and dry, and at a minimum contain plastic bags for trash. Waste PPE will not be placed in the same containers as general trash.
- Inspection equipment, samples and if applicable, tools for signs of residual amounts of contamination or excessive soil buildup. If present, soils and contamination must be completely cleaned off of equipment, samples and tools prior removal from the decontamination areas. Personnel will visually check themselves for signs of excessive soils and possible contamination. If observed, soils and contamination will be completely removed before further decontamination is performed.
- Untape wrists and ankles.
- Remove outer work gloves and place them in an appropriate container specified for waste PPE.
- Remove outer Tyvek coveralls and place them in an appropriate container specified for waste PPE.
- Wipe off and remove respirator mask (also goggles if worn).
- Remove inner protective gloves and place them in an appropriate container specified for waste PPE.
- Wash hands using soap and water (separate from other decontamination cleaners/solutions).

During emergencies, the need to quickly respond to an accident or injury must be weighed against the risk to the injured party from chemical exposure. It may be that the time lost decontaminating an individual may cause greater harm to the individual than from the potential for chemical exposure, particularly if the injury is life-threatening. In these instances, a non-injured person needs to inform responding emergency personnel of the potential for chemical contamination on the victim, specifically mentioning the type and expected concentrations.

11.3 Investigation-Derived Material Disposal

Investigation-derived materials will also be handled appropriately and will be temporarily stored in sealed and labeled 55-gallon drums, staged at a safe location which is mutually acceptable to Ramboll and the host facility, pending offsite disposal. The storage methods will be as follows:

1. Drill cuttings/well water: If contaminated, then stored on-site in properly labeled drums
2. Decontamination solutions: If contaminated, then stored on-site in properly labeled drums

12. EMERGENCY RESPONSE PLAN (ERP)

The ERP describes contingencies and emergency response procedures. The ERP defines the responsibilities of key personnel in planning, prevention, and response to emergency situations, and identifies agency contacts and medical care procedures. The ERP addresses measures to prevent and respond to emergency situations, such as fire or explosion; spill or release of hazardous material; personnel injury or illness; or other adverse events. General Emergency guidelines are as follows:

12.1 Stop Work Authority

All Ramboll employees have the authority and obligation to stop any task or operation where concerns and/or questions regarding the control of HSE risk exist, are not clearly established, or are not understood. Management is responsible for creating a culture where Stop Work Authority is exercised freely and without fear of retribution or intimidation.

When an unsafe condition is identified, a Stop Work intervention will be initiated and treated as a "near miss". As such, an incident report will be completed in accordance with Standard Practice Instruction 19 entitled "Incident Reporting" so that the unsafe condition can be documented, reviewed, and corrective actions and preventative measures be implemented as applicable.

These actions will be coordinated by the Site Supervisor, with support from the PM/PIC/MP and the HSC, and all affected personnel will be notified of the Stop Work issue. No work will resume until all Stop Work issues and concerns have been adequately addressed. Most issues can be resolved in a timely manner at the job site, but occasionally additional investigation and corrective actions may be required. Work may resume when it is safe to do so.

12.2 Personnel Involved in Emergency Response

Key personnel involved in Site emergency response include the PM, Site Supervisor, the Ramboll PIC and contractor PMs. Clear lines of authority have been established for implementing emergency response procedures and for ensuring safety compliance. All emergencies and personal injuries will be immediately reported to Site Supervisor. The Site Supervisor will immediately report the incident to the PIC/PM and Corporate Health and Safety Director.

12.3 Emergency Response Telephone Roster

The Emergency Response Telephone Roster consists of persons and organizations both on- and off-site who would be involved in the ERP. This roster, provided as Table 1A, will be kept in Ramboll site vehicle, a list of on-site personnel who are trained in first aid and CPR will also be kept in the file. All Site personnel will be familiar with the Emergency Response Telephone Roster and will understand the proper chain of command. A listing of on- and off-site emergency contacts and key personnel and their alternates will be posted in the Site office.

12.4 Emergency Communications

The external communication system between on-site and off-site emergency response personnel is necessary to report and coordinate emergency response. Personnel cell phone will be the primary means of external communication, and will be used to notify off-site emergency response agencies and to request assistance.

12.5 Emergency Medical Care and Treatment

Every injury and exposure will be reported according to the procedures outlined in Section 6.7 of this HASP, regardless of whether the incident appears to be serious or not, or whether any adverse health effects or symptoms are apparent after the exposure. Universal precautions to BBP shall be observed while administering first aid.

12.6 Life-Threatening Emergency Response

Incidents are possible that would result in emergencies beyond the on-site emergency response capabilities. Such incidents might include:

- Life-threatening injuries or injuries/exposures requiring medical treatment; and
- Fires progressing beyond incipient stage.

12.7 Evacuation Routes and Procedures

During site operations and in the event of an evacuation, a safe location (Rally point) will be identified. As part of the Site orientation, all on-site personnel will be informed of the evacuation plan and Rally points. For purposes of a safe and efficient means of vehicular egress, all vehicles will be backed into their designated parking location.

If evacuation is necessary, personnel will determine wind direction. Whenever possible, evacuation should be in the direction perpendicular to the wind direction without passing through the plume or smoke cloud and/or spilled material, if applicable. Personnel will report to their designated Rally point. In the event that a workers' evacuation to their primary rally point is hindered by emergency conditions, workers shall evacuate to the secondary Rally Point. If the on-site PM is not involved in emergency response activities, he/she will assist in accounting for all Site personnel, otherwise their designated back-up will account for all personnel and will report this information to the Site Supervisor.

12.8 Training

All Site personnel will review the information in this HASP on the emergency response procedures, and the location and use of on-site emergency equipment, and will have received emergency response training. During the Site orientation and/or Site safety briefings, Site personnel will be trained in emergency response procedures, on-site communication systems and evacuation routes, as stated in this HASP. Visitors will be briefed on hazard recognition, safe work practices and basic emergency procedures by the Site Supervisor.

12.9 First Aid Procedures

If an employee is injured, general first aid will be administered. If safety concerns or hazardous conditions are still present (e.g., incipient fire, falling debris), the individual shall be moved to avoid further injury or risk. In the event that an employee is injured in a

contaminated area, general first aid will be administered and then the employee will be moved to the support zone for decontamination (if applicable), additional first aid, and preparation for transportation, giving due consideration to which risk will be greater; the spread of contamination or the health/safety of the individual.

First aid kits will be maintained on site at each project location. The type of first aid kit to be maintained will be for minor emergencies, such as cuts and skin abrasions. Where applicable, first aid supplies will be stored in a water proof container. The Site Supervisor or designated person will ensure that adequate first aid supplies (listed below) are maintained.

Minimum List of First Aid Supplies	
(1) First Aid Guide*	(6) Burn treatment applications
(1) Absorbent Compress >4”x8”	(4) 3”x3” Sterile gauze pads
(16) 1”x3” Adhesive bandages	(2) Pair medical exam gloves
(1) Adhesive tape 2.5yard roll	(1) Triangular bandage >40”x40”x56”
(10) Antiseptic treatment applications	(6) Antibiotic ointment applications
* Please see Appendix D First Aid Guidance, print, and store with ANSI approved First Aid kit on-site.	

Recommended List of First Aid Supplies	
Analgesic (oral, non-drowsy)	Eye covering >1/4” thick
Bandage compress >2”x2”	Eye/face wash
Breathing barrier, single use	Roller bandage >2”x4yards
Cold pack >4”x5”	Hand sanitizer

The contents of the first aid kits shall be checked before being sent out to each job and at least weekly on each job to ensure that expended items are replaced. Where the eyes or body of any employee may be exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body shall be available for use.

12.10 Uncovering an Underground Service (Intact)

In the event of any damage or dislocation of any underground facility/pipeline or utility in connection with ground disturbance activity, work activities shall cease in the area of the damaged facility. The Designated Person shall immediately call the applicable emergency phone number. Then, the affected utility and One Call service shall be notified, if applicable. The One Call service may be able to assist with contact numbers for notifying member companies in the event of any damage. NO ONE should attempt to repair, clamp or constrict the damaged utility.

ALWAYS ASSUME THAT ANY UNDERGROUND PIPE OR SUBSURFACE LINE IS LIVE!

- Stop Work; remove tools if safe to do so.
- Clear all persons from the scene.

- Call the emergency number.
- Contact the One Call/utility member for guidance, if applicable.
- Contact the PM and/or PIC so they can contact the Client, MP, Director of H&S and HSC.

12.11 Striking an Underground Electrical/Telecom Cable

- Stop work.
- Evacuate Ramboll employees from the immediate area to a safe distance as site conditions warrant, giving consideration to employees which may not be able to immediately evacuate (e.g., operator seats in excavators are normally electrically isolated, whereas other parts of the excavator may be energized).
- Call the emergency number.
- In the event of injuries provide first aid and summon medical assistance.
- Contact the One Call/utility member for guidance, if applicable.
- Contact the PM and/or PIC so they can contact the Client, MP, Director of H&S and HSC.
- Do not allow anyone to enter the area until the electricity/utility provider has made the cable safe.

12.12 Striking a Pressurized Gas Pipeline

- Stop work, leave tools in-place but shut off any running equipment, including engines.
- Evacuate the immediate area to a safe distance as site conditions warrant.
- Ensure there are no sources of ignition in the area.
- Call the emergency number.
- Contact the pipeline owner and/or One Call, if applicable.
- Contact the PM and/or PIC so they can contact the Client, MP, Director of H&S and HSC.
- Do not re-enter the immediate area until safe to do so.

12.13 Striking a Pressurized Water Main

- Stop work, remove tools and confine jetting water if safe, necessary and appropriate to do so.
- Evacuate immediate area.
- Ensure that water flowing away is not creating potential hazards (e.g., electrical shorting, flooding, contaminant migration etc.) and where possible warn those likely to be affected.
- Call the emergency number.
- Contact the water utility and/or One Call, if applicable.
- Contact the PM and/or PIC so they can contact the Client, MP, Director of H&S and HSC.
- Do not re-enter the immediate area until safe to do so.

12.14 Follow-up Procedures

If a site employee is injured on site and immediate medical treatment beyond first aid is needed, the designated site supervisor is instructed to call 911 and/or the designated emergency phone number and then report the incident.

Any SSC work that results in an injury, illness, incident, near miss or unsafe act or condition MUST be verbally communicated by the affected employee or an Ramboll employee witnessing the incident to either the local HSC, PM, or PIC immediately following the incident. Notification to the regional HR representative and the Director of HR and the Directors of H&S MUST also be made for incidents involving any employee injury and/or illness that happened while on company time including first aid, and doctor/hospital visits which may or may not involve restricted work and/or lost time.

As soon as possible after the incident but no later than 72 hours after the event, Page One of the Incident Reporting Form in SPI 19 Incident Reporting is to be completed by the employee and a witness that was involved in the incident and/or observed the incident.

Post-incident investigations and root cause analysis will be conducted by the Director of H & S to discover the exact circumstances and cause of the incident. Amendments to the HASP will be approved and implemented by the Project Health and Safety Coordinator and the Director of H & S, as needed. All Site personnel will be informed of any revisions to the site-specific HASP and the resolution of any outstanding safety concerns prior to returning to their Site functions. The necessary steps to ensure that operations can safely resume include:

- Ensure that all emergency equipment (fire extinguisher, communication system, first aid kits and first aid station) is in functional order;
- Clear all incident-caused debris from the Site, if safe to do so; and
- Inspect area and equipment.

NOTE: Specific emergency contact information is contained in the first and last pages of this HASP. Applicable directions to the nearest medical facility are contained in the last page to this HASP. In the event that an emergency situation occurs*, SECURE the safety of yourself and those working under your direction and then contact appropriate site and Ramboll representatives that are referenced in Table 1A of this HASP.*

13. HEALTH & SAFETY PLAN FIELD TEAM SIGNATURES

Sign off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site.

Project Personnel List & Safety Plan Distribution Record

Ramboll Employees

All project staff must sign indicating they have read and understand the Site Health and Safety Plan. A copy of this Site Health and Safety Plan must be made available for their review and readily available at the job site.

Employee Name/ Job Title	Date Distributed	Signature

Contractors, Subcontractors

A copy of this safety plan shall be provided to contractors and subcontractors who may be affected by activities covered under the scope of this Site Health and Safety Plan for their information only, although the contractors and subcontractors remain responsible for the safety of their own employees. All contractors and subcontractors must comply with applicable country, state and local government rules and regulations.

Firm Name	Contact Person	Date Distributed

Health and Safety Meeting

All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a brief tailgate safety meeting is required as deemed necessary by the Site Health and Safety Officer (or at least once every 10 working days).

Date	Topics	Name of Attendee	Employee Firm Name	Initials

Visitor

It is Ramboll'S policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Site Health and Safety Officer shall also immediately notify HSC.

Name of Visitor	Firm Name	Date of Visit	Signature

14. SAFETY MEETING CHECKLIST

The Site Supervisor should consider discussing the following topics with all field personnel conducting work as part of this HASP, as applicable.

Date and Time of Meeting: _____

Conducted By: _____

CHECK TOPIC(S) DISCUSSED:

HASP Content	**HASP Content**
☐ Chemicals of Concern	☐ Personnel On-Site (Introductions)
☐ Tasks to be Performed	☐ Responsibilities
☐ Location of Tasks	☐ Monitoring equipment
☐ Hazards/Risks of Tasks	☐ Other _____
☐ Site Limitations (e.g., cell phone use)	☐ Other _____
First Aid	**Industrial Sanitation and Hygiene**
☐ Facilities	☐ Drinking water
☐ Reporting and Records	☐ Restrooms/Porta toilets
☐ Treatment of _____	☐ Personal Cleanliness
Personal Protective Equipment	**Housekeeping**
☐ Glasses, Goggles, and Shields	☐ Waste Containers
☐ Hard Hats	☐ Waste Materials
☐ Respirators	☐ Other _____
☐ Gloves	
☐ Other _____	
Emergency Procedures	**Fire Prevention**
☐ Communications	☐ Extinguisher Locations
☐ Primary Rally Point:	☐ Designated Smoking Areas
☐ Secondary Rally Point:	☐ Hot Work
☐ Headcount	☐ Flammable Liquids Present
☐ Hospital Location/Route	☐ Explosives Present
☐ PPE/Decon	☐ Other _____
☐ Other _____	
Special Tools / Equipment	**Vehicles/Heavy Equipment**
☐ Chain saws / Chop saws	☐ Transportation of Employees
☐ Other _____	☐ Operation and Inspection
☐ Other _____	☐ Preventative Maintenance
	☐ Other _____

Discussion _____

_____

_____

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APPENDIX A
CHEMICAL INFORMATION AND MATERIAL SAFETY DATA SHEETS

HAZARDOUS PROPERTY INFORMATION

Check if Present	Material (CAS #)	Water Solubility [a]	Specific Gravity	Flash Point (°F)	Vapor Pressure [d]	LEL UEL	Cal/OSHA PEL- TWA [f]	IDLH Level [h]	Odor Threshold Geometric mean [i] (ppm)
Volatile Organic Compounds (VOCs)									
☐	Acetic acid (64-19-7)	Miscible	1.05	103	11 mm	4.0% 19.9%	10 ppm	50 ppm	0.074 (d)
☐	Acetone (67-64-1)	Miscible	0.79	0	180 mm	2.5% 12.8%	250 ppm	2,500 ppm	62 (d) 130 (r)
☐	Acrolein (107-02-8)	40%	0.84	-15	210 mm	2.8% 31%	C 0.1 ppm Skin	2 ppm	1.8 (d)
☐	Acrylonitrile (107-13-1)	7%	0.81	30	83 mm	3% 17%	2 ppm Skin	85 ppm Ca	1.6 (d)
☐	Benzene (71-43-2)	0.07%	0.88	12	75 mm	1.2% 7.8%	1 ppm Skin	500 ppm Ca	61 (d) 97 (r)
☐	Bromodichloro-methane (75-27-4)	4500 mg/l	1.98	--	50 mm	Non-flam	None established	None determined	--
☐	Bromoform (75-25-2)	0.10%	2.89	--	5 mm	Non-flam	0.5 ppm Skin	850 ppm	1.3 [j]
☐	Bromomethane (74-83-9)	2%	1.73	--	1.9 atm	10% 16.0%	1 ppm Skin	250 ppm Ca	80 [j]
☐	Carbon Tetrachloride (56-23-5)	0.05%	1.59	--	91 mm	Non-flam	2 ppm Skin	200 ppm Ca	252 (d)
☐	Chlorobenzene (108-90-7)	0.05%	1.11	82	9 mm	1.3% 9.6%	10 ppm	1000 ppm	1.3 (d)
☐	2-Chloroethyl-vinyl Ether (110-75-8)	0.02%	1.05	61	27 mm	--	None established	None determined	--
☐	Chloroethane (75-00-3)	0.60%	0.92	-58	1000 mm	3.8% 15.4%	100 ppm Skin	3800 ppm	4.2 [j]
☐	Chloroform (67-66-3)	0.50%	1.48	--	160 mm	Non-flam	2 ppm	500 ppm Ca	192 (d)
☐	Chloromethane (74-87-3)	0.50%	0.92	--	5 ATM	8.1% 17.4%	50 ppm	2000 ppm Ca	10 [j]
☐	Dibromo-chloromethane (124-48-1)	2700 mg/l	2.5	--	76 mm	--	None established	None Determined	--

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☐	Dibutyl phthalate (84-74-2)	0.001% (77°F)	1.05	315	0.00007 mm	0.5% --	5 mg/m^3	4,000 mg/m^3	--
☐	1,2-Dichlorobenzene (95-50-1)	0.01%	1.3	151	1 mm	2.2% 9.2%	25 ppm Skin	200 ppm	--
☐	1,1-Dichloroethane (75-34-3)	0.60%	1.18	2	182 mm	5.4% 11.40%	100 ppm	3,000 ppm	--
☐	1,1-Dichloroethylene (DCE) (75-35-4)	0.04%	1.21	-2	500 mm	6.5% 15.5%	1 ppm	None determined	190 [j]
☐	1,2-Dichloroethane (107-06-2)	0.90%	1.24	56	64 mm	6.2% 16%	1 ppm	50 ppm Ca	26 (d) 87 (r)
☐	1,2-Dichloroethylene (540-59-0)	0.40%	1.27	36-39	180-265 mm	5.6% 12.8%	200 ppm	1,000 ppm	17 - 170 [k]
☐	1,2-Dichloropropane (78-87-5)	0.30%	1.16	60	40 mm	3.4% 14.5%	75 ppm	400 ppm Ca	0.26 (d) 0.52 (r)
☐	1,3-Dichloropropene (542-75-6)	0.20%	1.21	77	28 mm	5.3% 14.5%	1 ppm Skin	None Determined Ca	1 [j]
☐	Bis-(2-Ethylhexyl)-phthalate (DEHP) (117-81-7)	0.00%	0.99	420	<0.01 mm	0.3% --	5 mg/m^3	5,000 mg/m^3 Ca	--
☐	Diethyl phthalate (84-66-2)	0.10%	1.12	322	0.002 mm	0.7% --	5 mg/m^3	None Determined	--
☐	Dinitrotoluene (DNT) (25321-14-6)	Insoluble	1.32	404	1 mm	-- --	0.15 mg/m^3 Skin	50 mg/m^3 Ca	--
☐	Endrin (72-20-8)	Insoluble	1.7	--	0.00001 mm Low	--	0.1 mg/m^3 Skin	2 mg/m^3	--
☐	Ethyl benzene (100-41-4)	0.01%	0.87	55	7 mm	0.8% 6.7%	100 ppm	800 ppm	2.3 [j]
☐	Hydrazine (302-01-2)	Miscible	1.01	99	10 mm	2.9% 98%	0.01 ppm Skin	50 ppm Ca	3.7 (d)
☐	Methyl ethyl ketone (MEK) (78-93-3)	28%	0.81	16	78 mm	1.4% 11.4%	200 ppm	3000 ppm	16 (d) 17 (r)
☐	Methyl tert-butyl ether (MTBE) (1634-04-4)	5.1 g/100ml	0.7	-18	245 mm	1.6% 8.4%	40 ppm	None determined	0.32 – 0.47mg/m^3 [l]

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☐	Methylene chloride (75-09-2)	2%	1.33	--	350 mm	13% 23%	25 ppm	2,300 ppm Ca	160 (d) 230 (r)
☐	Phenol (108-95-2)	9% (77°F)	1.06	175	0.4 mm	1.8% 8.6%	5 ppm Skin	250 ppm	0.06 (d)
☐	1,1,2,2-Tetrachloroethane (79-34-5)	0.30%	1.59	--	5 mm	Non-flam	1 ppm Skin	100 ppm Ca	7.3 (d)
☒	Tetrachloroethylene (PCE) (127-18-4)	0.02%	1.62	--	14 mm	Non-flam	25 ppm	150 ppm Ca	47 (d) 71 (r)
☐	Toluene (108-88-3)	0.07% (74°F)	0.87	40	21 mm	1.1% 7.1%	10 ppm Skin	500 ppm	1.6 (d) 11 (r)
☐	1,1,1-Trichloroethane (71-55-6)	0.40%	1.34	--	100 mm	7.5% 12.5%	350 ppm	700 ppm	390 (d) 710 (r)
☐	1,1,2-Trichloro-ethane (79-00-5)	0.40%	1.44	--	19 mm	6% 15.5%	10 ppm Skin	100 ppm Ca	--
☐	1,2,4-Trichlorobenzene (120-82-1)	0.003%	1.45	222	1 mm	2.5% 6.6% (302 °F)	C 5 ppm	None Determined	3 [j]
☒	Trichloroethylene (TCE) (79-01-6)	0.1% (77°F)	1.46	--	58 mm	8% 10.5%	25 ppm	1,000 ppm Ca	82 (d) 110 (r)
☐	Trichlorofluoromethane (75-69-4)	0.1% (75°F)	1.47	--	690 mm	Non-flam	C 1,000 ppm	2000 ppm	--
☐	1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	0.02%	1.56	--	285 mm	-- --	1,000 ppm	2,000 ppm	--
☐	1,2,4-Trimethylbenzene (95-63-6)	0.006%	0.88	112	1 mm	0.9% 6.4%	25 ppm	None determined	2.4 (d)
☐	Vinyl Chloride (75-01-4)	0.1% (77°F)	0.91	--	3.3 atm	3.6% 33%	1 ppm Skin	None Determined Ca	--
☐	Xylene (o, p, m, mix) (1330-20-7)	Slightly soluble	0.86-0.88	81-90	7-9 mm	0.9% 7%	100 ppm	900 ppm	20 (d) 40 (r)
Metals									
☐	Aluminum metal and oxide (as Al)	b	2.7	--	0 mm	e	10 mg/m^3 (respirable)	None determined	--

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☐	Antimony (7440-36-0)	b	6.69	--	0 mm	e	0.5 mg/m^3	50 mg/m^3	--
☐	Arsenic (inorganic compounds, as As)	b	5.73	--	0 mm	e	0.010mg/m^3	5 mg/m^3 Ca	--
☐	Arsenic (organic compounds, as As)	Properties vary depending upon the specific organic arsenic compound.					0.2mg/m^3	None determined	--
☐	Barium chloride(as Ba) (10361-37-2)	38%	3.86	--	low	Non-flam	0.5 mg/m^3	50 mg/m^3	--
☐	Barium nitrate (as Ba) (10022-31-8)	9%	3.24	--	Low	e	0.5 mg/m^3	50 mg/m^3	--
☐	Beryllium and compounds (as Be)	b	1.85	--	0 mm	e	0.0002 mg/m^3	4 mg/m^3 Ca	--
☐	Cadmium dust (as Cd)	b	8.65	--	--	e	0.005 mg/m^3	9 mg/m^3 Ca	--
☐	Chromium (III) compounds (as Cr)	b	Properties vary depending upon the specific compound.				0.5 mg/m^3	25 mg/m^3	--
☐	Cobalt metal dust and fume (as Co) (7440-48-4)	Insoluble	8.92	--	0 mm	e	0.02 mg/m^3	20 mg/m^3	--
☐	Copper dust and mist (as Cu)	b	8.94	--	0 mm	e	1 mg/m^3	100 mg/m^3	--
☐	Lead	Insoluble	11.34	--	0 mm	e	0.05 mg/m^3	100 mg/m^3	--
☐	Manganese, Fume and compounds (as Mn) (7439-96-5)	Insoluble	7.2	--	0 mm	Comb-ustible	0.2 mg/m^3	500 mg/m^3	--
☐	Mercury compounds (as Hg) Except alkyl compound	b	13.6	--	0.0012 mm	e	0.025 mg/m^3 Skin	10 mg/m^3	--
☐	Molybdenum (7439-98-7)	Insoluble	10.28	--	0 mm	Comb-ustible	10 mg/m^3 3 mg/m^3 (resp.)	5,000 mg/m^3	--
☐	Nickel and other compounds (as Ni)	Insoluble	8.9	--	0 mm	e	1 mg/m^3	10 mg/m^3 Ca	--
☐	Selenium (7782-49-2)	Insoluble	4.28	--	0 mm	Comb-ustible	0.2 mg/m^3	1 mg/m^3	--
☐	Silver, metal dust, and soluble compounds (as Ag)	b	10.49	--	0 mm	e	0.01 mg/m^3	10 mg/m^3	--

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☐	Thallium (soluble compouds, as Ti)	b	Properties vary depending upon the specific compound.				0.1 mg/m³ Skin	15 mg/m³	--
☐	Vanadium pentoxide dust and Fume (1314-62-1)	0.8%	3.36	--	0 mm	e	0.05 mg/m³ (Respirable)	35 mg/m³	--
☐	Zinc oxide (1314-13-2)	b	5.61	--	0 mm	e	5 mg/m³	500 mg/m³	--
Miscellaneous									
☐	Ammonia (7664-41-7)	34%	--	--	8.5 atm	15% 28%	25 ppm	300 ppm	17 (d)
☐	Asbestos (1332-21-4)	Insoluble	--	--	0 mm	Non-flam	0.1 fibers/cc	None determined	--
☐	Chromic Acid and chromates (1333-82-0)	63%	2.7	--	Very low	Non-flam	0.005 mg/m³	15 mg/m³ Ca	--
☐	Cyanide (as CN)	--	--	--	--	Non-flam	5 mg/m³ Skin	--	--
☐	DDT (50-29-3)	Insoluble	0.99	162-171	0.0000002 mm	--	1 mg/m³ Skin	500 mg/m³ Ca	--
☐	Diesel Fuel #2 (68476-34-6)	Insoluble	0.81-0.90	130	--	0.6-1.3 6-7.5	None established	None determined	--
☐	Fluorides, as F	--	--	--	--	--	2.5 mg/m³	None determined	--
☐	Gasoline (8006-61-9)	Insoluble	0.72-0.76	-45	38-300 mm	1.4% 7.6%	300 ppm	Ca None determined	--
☐	Kerosene (8008-20-6)	Insoluble	0.81	100-162	5 (100°F)	0.7% 5.0%	200 mg/m³g Skin	None determined	--
☐	Naphthalene (91-20-3)	0.003%	1.15	174	0.08 mm	0.9% 5.9%	10 ppm	250 ppm	0.038 (d)
☐	PCB (42% chlorine) (53469-21-9)	Insoluble	1.39	--	0.001 mm	Non-flam	1 mg/m³ Skin	5 mg/m³ Ca	--
☐	PCB (54% chlorine) (11097-69-1)	Insoluble	1.38	--	0.00006 mm	Non-flam	0.5 mg/m³ Skin	5 mg/m³ Ca	--
☐	Phosphorus (yellow) (7723-14-0)	0.0003%	1.82	--	0.03 mm	-- --	0.1 mg/m³	5 mg/m³	--

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☐	Polycyclic Aromatic Hydrocarbons (PAH)	Properties vary depending upon the specific compound. Listed in NIOSH as Coal Tar Pitch Volatiles					0.2 mg/m^3	80 mg/m^3 Ca	--

SITE-SPECIFIC SUBSTANCES

(Add hazardous property information on any substances that are of concern at the site but are not listed above.)

EXPLANATIONS AND FOOTNOTES:

[a] Water solubility is expressed in different terms in different references. Many references use the term "insoluble" for materials that will not readily mix with water, such as gasoline. However, most of these materials are water soluble at the part per million or part per billion level. Gasoline, for example, is insoluble in the gross sense, and will be found as a discrete layer on top of the ground water. But certain gasoline constituents, such as benzene, toluene, and xylene, will also be found in solution in the ground water at the part per million or part per billion levels.

[b] Solubility of metals depends on the compound in which they are present.

[c] Several chlorinated hydrocarbons exhibit no flash point in a conventional sense, but will burn in the presence of high energy ignition source or will form explosive mixtures at temperatures above 200 °F.

[d] Expressed as mm Hg under standard conditions.

[e] Explosive concentrations of airborne dust can occur in confined areas.

[f] Cal/OSHA Time-weighted Average (TWA) Permissible Exposure Limits (PELs) except where noted in g. The substances designated by "Skin" in the PEL column may be absorbed into the bloodstream through the skin, the mucous membranes and/or the eye, and contribute to the overall exposure. "C" notation indicates the number given is a ceiling value.

[g] TLV-TWA adopted by the American Conference of Governmental Industrial Hygienists (ACGIH). Currently, there is no Cal/OSHA PEL.

[h] The substances with a "Ca" notation in the IDLH column are considered to be potential occupational carcinogens by NIOSH.

[i] Odor thresholds values extracted from "*ODOR THRESHOLDS for Chemicals with established Occupational Health Standards*", American Industrial Hygiene Association, 1997.
(d) Odor detection threshold: Lowest concentration at which a stimulus is being detected.
(r) Odor recognition threshold: Lowest concentration at which a definite odor character is detected.

[j] Values extracted from the U.S. Environmental Protection Agency Technology Transfer Network, Air Toxics website. URL: www.epa.gov/ttn/atw/, 2006

[k] Value extracted from "*HESIS Guide to Solvent Safety*" California Department of Health Services, 2004. URL: http://www.dhs.ca.gov/ohb/HESIS/solv_cht.htm

[l] Value extracted from "*Chemical Summary For Methyl-Tert-Butyl Ether",* U.S. Environmental Protection Agency, Office Of Pollution Prevention and Toxics, August 1994. URL: http://www.epa.gov/chemfact/s_mtbe.txt

APPENDIX B
CONTROL MECHANISMS

The following Control Methods should be implemented for Hazards that were identified as part of the Tasks that will be conducted as part of this Project.

B1 Chemical Hazards – Ramboll personnel, contractors, subcontractors, and visitors shall wear appropriate personal protective equipment (PPE) while performing site activities. At a minimum, equipment shall include safety glasses, steel-toed boots, and hard hats (when overhead work being performed or when overhead hazards exist). Additional PPE requirements will be outlined in the site-specific Health and safety Plan (HASP) and Ramboll personnel shall familiarize themselves with the appropriate health and safety responses for exposure to known on-site chemicals prior to beginning work at the site. See Attachment A for chemical safety data. Consult with your local Health and Safety Coordinator (HSC) for any personal air monitoring requirements.

B2 Physical Hazards – Hazards from floor and wall openings, careless movements, protruding objects, debris, spills, placement of materials on paths or foot traffic areas, present a problem with regards to slips, trips, falls, and puncture wounds.

Ramboll personnel shall minimize the risk of slips, trips, and falls by keeping the work area clear of excess equipment and cleaning up wet surfaces as soon as possible. In addition, the floor of every workroom shall be maintained in a clean and, as much as possible, a dry condition. Employees should avoid walking through/on wet and/or cluttered surfaces and be conscious of the fact the wet surfaces could be slippery and could cause injury. Spilled materials should be cleaned up immediately.

Personnel should stay alert at all times and if tried or distracted, take this into account when working at the site. To minimize the possibility of injury:

- Wear sturdy work boots with good tread are required and steel toed boots are recommended.
- Do not run.
- Slide feet when walking on slick/wet surfaces.
- Don’t walk up or down steep embankments/hills if possible. If not possible, walk at an angle when going up/down embankments/hills.
- Don’t carry items that block your vision.
- Use handrails/grips when available and maintain 3-point contact whenever possible.
- Don’t jump down from equipment and look down before you step down.
- Use appropriate fall protection when working at elevation.
- Report any floor openings that are not clearly marked and/or guarded.
- Don’t use ladders/scaffolds during high winds or when ice or snow is on the rungs/work surface.
- Don’t use ladder substitutes like a box or truck fender, and don’t use ladders/scaffolding that is not in good conditions.
- Keep paths and work areas clear of tools, equipment, boxes, cords, etc. Tape or secure cords, wires, etc. to minimize trip/fall hazard.
- If a protruding object cannot be moved, make sure the object can be easily seen or guard/pad the object if possible.

- Use ancillary lighting such as flashlights and headband lights when necessary.

Sufficient illumination should be provided in all areas at all times. Employees should notify the responsible person of conditions where there is an absence of sufficient natural and/or permanent artificial light.

Emergency exit doors will be kept free of any obstacles at all times. Any employee finding an emergency door blocked should immediately report the condition and correct it when possible. Exit lights and signs will also be maintained in proper condition at all times and immediately reported if deficient.

B3 Mechanical Hazards – Working within the vicinity of operating drill rigs poses unique safety situations such as high pressure hazards from hoses, pipes or the well, and gas releases. Also, other hazards may be present such as falls from elevation, electrical contact, and improper machine guarding. Ramboll personnel shall not attempt to operate equipment they are not familiar with and/or are not equipped with protection devices. Personnel shall familiarize themselves with the equipment being utilized on site, and shall at a minimum, know how to stop or turn off the equipment. Although Ramboll personnel do not operate or have control over the operation of drilling equipment, it is every employees responsibility to recognize potential or existing hazards related to drill rigs, and to walk away from any unsafe operations.

Depending upon the work to be done by Ramboll personnel; a preliminary site field survey may need to be performed prior to Ramboll involvement in drilling operations. The survey should include verification that utilities and any hazardous buried material or structures have been located and marked and that the nearest emergency facility has been identified. It may also include information on safe access to the drilling areas, hazards on-site, location of a clean water source and weather conditions and related shelter areas.

Employee Restrictions and Responsibilities

Under no circumstances will an Ramboll employee operate a drilling rig, a portion thereof, or any piece of contractor equipment. In addition, employees will not:

- Guide a drill rig to a drill location, assist in the movement of equipment, or participate in the movement or breaking down of any portion of the rig.
- Climb on the rig, stand too close to the rig (especially its moving parts), stand below or close to a pipe hoist, walk on drilling rods or casing, or walk on the edge of a mud pit.
- Watch a driller arc-weld.
- Smoke while at a drilling rig site.
- Refuel an engine while it is still running or hot, siphon gasoline, or park near a rig exhaust.
- Wear loose fitting clothing or PPE near the drill rod or stem.

Ramboll employees will not place tools, meters, etc. in a position that could create a fall, trip or slip hazard. As much as is possible, employees will work with the appropriate site personnel to ensure the area in the vicinity of the drill rig is clean, orderly and free of slip, trip and fall hazards.

If the drilling is being done at hazardous waste site, the PPE requirements will be forwarded as noted in the site health and safety plan. Clean water will be kept available for decontamination, washing, and dust control. Kneeling, lying in, or sitting on contaminated ground or materials must be avoided or a protective barrier must be used. Avoid or minimize handling of contaminated materials.

Non-powered hand trucks should be used whenever feasible to move heavy objects, objects with poor hand holds or large bulky objects. Some things to consider are:

- Keep the center of gravity of the load as low as possible, and place heavy objects below lighter ones.
- Place loads where the weight of the load will be carried by the axle, not the handles, and where it will not slip, shift of fall during movement.
- Load only to height to allow a clear view ahead. Only walk backwards with a hand truck in specific instances such as when going up an incline.
- When going down an incline the hand truck should be in front of the operator and when going up an incline, it should be downhill from the operator.
- Move the hand truck at a safe speed.

B4 Traffic/Heavy Equipment Safety – Ramboll personnel should, under no circumstances, operate or ride on heavy equipment which is being used by a subcontractor. Site personnel will maintain a safe distance of at least 20 feet (6.5 meters) or more, depending on circumstances and directives, from all heavy equipment in operation. If activities warrant closer proximities to operating equipment, personnel will don brightly colored vests and a second person will stand watch to keep him/her out of the path of equipment while performing the required activity. Eye contact with the equipment operator will be maintained.

Heavy Equipment can represent a substantial hazard to workers. The following procedures should be followed when heavy equipment is in use:

- Employees will not handle or attempt to operate power tools or motorized vehicles without proper training.
- Use common sense. Do no assume that the equipment operator is keeping track of your whereabouts. Never walk directly in back of, or to the side of, heavy equipment without the operator's knowledge.
- All heavy equipment must be shut down during refueling.
- Maintain visual contact of moving equipment at all times.
- Establish hand signal communication when verbal communication is difficult.
- All heavy equipment shall have backup alarms of some type.
- Use chains, hoist, straps, and any other equipment to safely aid in moving heavy materials.
- Never use a piece of equipment unless you are familiar with its operation. This applies to heavy as well as light equipment (i.e. steam cleaners, hand tools, etc.).

- Be sure that no underground or overhead power lines, sewer lines, gas lines, or telephone lines, will present a hazard in the work area.
- Restrict all non-essential people out of the work area.
- Prohibit loose-fitting clothing or loose long hair around moving machinery.
- Instruct equipment operators to report any abnormalities such as equipment failures, unusual odors, etc.
- Implement an ongoing maintenance program for all tools and equipment. Inspect all tools and moving equipment regularly to ensure that parts are secured and intact. Promptly repair or replace any defective items.
- Store tools in clean, secure areas so that they will not be damaged, lost, or stolen.
- When an equipment operator must negotiate in tight quarters, provide a second person to ensure adequate clearance.
- All heavy equipment must be properly leveled and supported prior to use.
- Heavy equipment and trucks will be operated in specific site control zones and marked traffic lanes.
- Materials, tools, or other objects will not be thrown, tossed, or dropped. Always hand off or lower items as needed.

Working Near Railroads – In the event that work activities are conducted near and/or adjacent to railroad tracks, the following procedures will be implemented:

- The hazards of working near and/or adjacent to railroads will be included in job briefings prior to work activity commencing and subsequently when the activity changes;
- Mounting, dismounting, or crossing over moving locomotives or cars is prohibited;
- Employees will be alert for the movement of cars, locomotives, or equipment at any time, in either direction, on any track and will remain at least 25 feet (8 meters) from the end of standing cars, equipment, or locomotives, except when proper protection is provided (e.g., a flagman is present or the track is taken out of service by the proper authority, prior to starting any work on or about the tracks);
- Employees will not cross over coupled, moving freight cars; take refuge under any car, equipment, or locomotive; attempt to mount, dismount, or cross over moving equipment.

B5 Electrical Hazards – Electricity may pose a particular hazard to site workers due to the use of portable electrical equipment. If wiring or other electrical work is needed, a qualified electrician must perform it.

Properly ground all electrical equipment. Avoid standing in water when operating electrical equipment. Ground fault outlets or adapters shall be used for any electrical equipment. Apparatus, tools, equipment, and machinery will not be repaired while in operation. Lockout/Tagout (LOTO) procedures will be implemented when necessary. If equipment must be connected by splicing wires, electrical work must be performed by a licensed and competent electrician.

General electrical safety requirements include:

- All electrical wiring and equipment must be a type listed by Underwriters Laboratories (UL), Factory Mutual Engineering Corporation (FM), or other recognized testing or listing agency.
- All portable generators or other portable internal combustion type devices used on site will be grounded. All grounds will be validated twice daily with a multimeter to confirm a resistance of less than ten ohms.
- All installations must comply with the National Electrical Safety Code (NESC), the National Electrical Code (NEC), or United States Coast Guard regulations.
- Portable and semiportable tools and equipment must be grounded by a multiconductor cord having an identified grounding conductor and a multicontact polarized plug-in receptacle.
- Tools protected by an approved system of double insulation, or its equivalent, need not be grounded. Double-insulated tools must be distinctly marked and listed by UL or FM.
- Live parts of wiring or equipment must be guarded to prevent persons or objects from touching them.
- Electric wire or flexible cord passing through work areas must be covered or elevated to protect it from damage by foot traffic, vehicles, sharp corners, projections, or pinching.
- All circuits must be protected from overload.
- Temporary power lines, switchboxes, receptacle boxes, metal cabinets, and enclosures around equipment must be marked to indicate the maximum operating voltage.
- Plugs and receptacles must be kept out of water unless of an approved submersible construction.
- All extension cord outlets must be equipped with ground-fault-circuit interrupters (GFCIs).
- Attachment plugs or other connectors must be equipped with a cord grip and be constructed to endure rough treatment.
- Extension cords or cables must be inspected prior to each use and replaced if worn or damaged.
- Cords and cables must not be fastened with staples, hung from nails, or suspended by bare wire.
- Flexible cords must be used only in continuous lengths without splice, with the exception of molded or vulcanized splices made by a qualified electrician.

B6 Fire and Explosion Hazards – The presence of petroleum and solvent contaminated material presents a potential fire hazard. Smoking and use of open flame will be prohibited. The use of non-sparking tools and equipment will be implemented if conditions warrant. Where the potential of fire exists, Ramboll will provide portable fire extinguishers. Where applicable, all fire extinguishers shall be mounted no higher and no lower than 4 feet (1.22 m) from the floor and/or shall be readily accessible for use, where applicable. All fire extinguishers shall be maintained as follows:

- Fully charged and in operable condition
- Clean and free of defects
- Readily accessible at all times

Fire prevention and protection measures include elimination of ignition sources, where feasible, identification of combustion sources and atmospheres, and early detection and rapid response to fire/explosion situations. In addition to standard operating procedures, the following safe work practices will be implemented:

- Site activities will comply with National Electric Code and explosion proof criteria;
- Smoking will only be allowed in designated areas;
- Appropriate air monitoring procedures will be conducted, when necessary;
- Welding, open flame or spark-producing operations will not be allowed on-site;
- Solvents with a flash point of less than or equal to 100°F will not be used for cleaning purposes;
- Fire extinguishers shall be kept in all work vehicles
- Extinguishers must:
  - Be maintained in a fully charged and operable condition;
  - Be visually inspected each month; and
  - Undergo a maintenance check each year.

All fires and visible smoke that are detected at the Site will be dealt with immediately by the individual recognizing the fire and/or smoke. In the event of visible smoke, fire or explosion, the following emergency response procedures will be implemented:

- Immediately cease operations; and
- In all emergency situations contact emergency services.

For small fires, personnel may attempt to extinguish the fire, if safe to do so and they have been trained. One fire extinguisher ONLY may be used to fight the fire. After one fire extinguisher is depleted, personnel must evacuate the area. For larger fires, perform site evacuation.

B7 Acoustical Hazards – Hearing protection will be worn by all personnel operating or working within the vicinity of equipment when noise is sufficient to interfere with general conversation at a normal speaking volume; when noise levels exceed 85dBA; and/or when manufacturers' requirements indicates that it's usage is mandatory. Personal hearing protectors, such as earplugs or earmuffs, may be used to reduce the amount of noise exposure while the above control measures are being evaluated or if such controls fail to reduce the exposure levels to below the PELs.

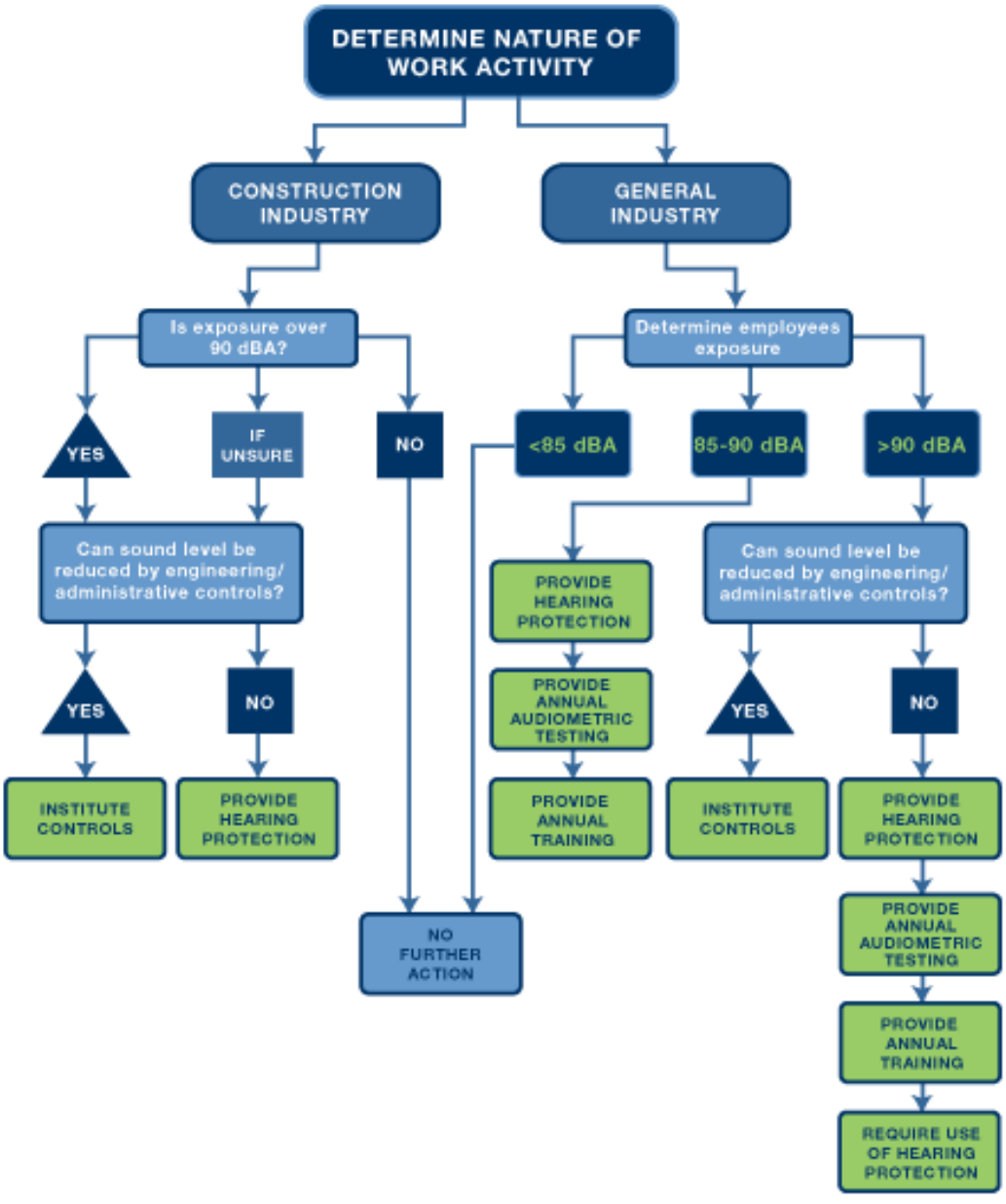
Any environmental condition where a person must shout to be heard from a distance of 3 feet indicates a hazardous noise environment. Under these conditions, personnel must be protected through the use of appropriate hearing protective devices.

Hearing protection shall be worn:

- In any situation where normal conversation cannot be heard at a distance of 3 feet regardless of the source of the noise or where noise levels as measured with approved noise monitoring equipment is above 85 dBA.

- When operating gasoline or electric powered machinery.
- When working within 25 feet of operating heavy equipment (earth working equipment, etc.) as working around this type of equipment can result in exposure to hazardous levels of noise (levels greater than 90 dBA).

Refer to the decision tree below:



B8 Ventilation/Oxygen Deficiency Hazards – Ramboll personnel shall monitor the work area for oxygen deficiency hazards using monitoring devices that have been appropriately calibrated and are recommended for this specific use, as applicable. If direct air monitoring readings suggest an oxygen deficiency and/or the build-up of harmful substances, leave the area and contact your Project

Manager. Implementation of corrective actions may include but not be limited to increasing work zone ventilation or evaluating alternatives (e.g., removing equipment that is generating combustion exhaust or venting the exhaust to the exterior of the building). However, work will not continue until the ventilation/oxygen deficiency hazard has been properly addressed, implemented, and verified.

B9 Heat Stress – Heat stress can be a significant hazard, especially for workers wearing protective clothing. Depending on the ambient conditions and the work being performed, heat stress can occur very rapidly, within as little as 15 minutes. Site personnel will be instructed in the identification of a heat stress victim, the first-aid treatment procedures for the victim and in the prevention of heat stress incidents.

Workers will be encouraged to immediately report any heat-related problems that they experience or observe in fellow workers. Any worker exhibiting signs of heat stress and exhaustion should be made to rest in a cool location and drink plenty of water. Emergency help by a medical professional is required immediately for anyone exhibiting symptoms of heat stroke, such as red, dry skin, confusion, delirium, or unconsciousness. Heat stroke is a life threatening condition that must be treated by competent medical authority.

ACGIH screening criteria for heat stress exposure in degrees Celsius for an 8 hour work day 5 days per week with conventional breaks will be used in determining safe exposure for acclimatized and unacclimatized employees.

Allocation of Work in a Work/Rest Cycle	Acclimatized				Action Limit (Unacclimatized)			
	Light	Moderate	Heavy	Very Heavy	Light	Moderate	Heavy	Very Heavy
75-100%	31.0 (87.8F)	28.0 (82.4F)	--	--	28.0 (82.4F)	25.0 (77F)	--	--
50-75%	31.0 (87.8F)	29.0 (84.2F)	27.5 (81.5)	--	28.5 (83.3F)	26.0 (78.8F)	24.0 75.2F)	--
25-50%	32.0 (89.6F)	30.0 (86F)	29.0 (84.2F)	28.0 (82.4F)	29.5 (85.1F)	27.0 (80.6F)	25.5 (77.9)	24.5 (76.1F)
0-25%	32.5 (90.5F)	31.5 (88.7F)	30.5 (86.9F)	30.0 (86F)	30.0 (86F)	29.0 (84.2F)	28.0 (82.4F)	27.0 (80.6F)

Heat Stress Prevention

Whenever possible or within the control of Ramboll, engineering controls should be utilized to protect workers from heat related hazards. For example, isolation from the heat source, ventilation such as open windows, fans or other methods of creating air flow, and heat shielding such as awnings or umbrellas.

Appropriate work practices can also lessen the chances of heat related hazards. Some of these include:

- Water intake should be about equal to the amount of sweat produced (i.e., drinking 5-7 ounces of water every 15-20 minutes). Electrolyte fluids may also be necessary.
- Whenever possible, gradual exposure to heat is preferred to allow the body's internal temperature to actuate to the working conditions.
- Whenever possible, adjust the work schedule to reduce risk of heat stress. For example, postpone nonessential or heavier work to the cooler part of the day and perform work in the shade if portable.
- Rotate personnel to reduce the amount of time spent working in direct sun and heat.
- Increase the number and/or duration of rest breaks, and whenever possible, rest break areas should be in a cool area and as close to the work area as is feasible.

Wear appropriate PPE when necessary, such as thermally conditioned clothing, self-contained air conditioning in a backpack, and plastic jackets/vests with pockets that can be filled with dry ice or ice. However, based on the type of work being don, where work is being performed, or other required PPE, these options may be prohibited or make the use of this PPE impossible or impractical.

Heat-Related Illnesses

Heat Stress*:* This is the mildest heat-related illness, but prompt action may prevent it from turning into a more severe heat-related illness. Symptoms include irritability, lethargy, significant sweating, headache, or nausea. The following guidance can be used in the identification and treatment of heat related illness.

Heat Stress First Aid:

- Take victim to a protected (e.g., shaded, cool) area, remove any excess protective clothing, and provide cool fluids.
- If an air-conditioned spot is available, this is an ideal break location.
- Once the victim shows improvement he/she may resume working, however the work pace and practices (e.g., does fluid intake need to be increased) should be moderated to prevent recurrence of the symptoms.

Heat Exhaustion: Usually begins with muscular weakness, dizziness, nausea, and a staggering gait. Symptoms include pale, clammy skin, and profuse sweating, vomiting, and the bowels may move involuntarily. The pulse is weak and fast, breathing is shallow. Fainting can occur.

Heat Exhaustion First Aid:

- Immediately remove the victim from the work area to a shady or cool area with good air circulation (avoid drafts or sudden chilling – you do not want the victim to shiver).
- Call a physician or emergency service, or transport the victim to medical care.
- Remove all protective outerwear.

- If the victim is conscious, it may be helpful to give him/her sips of water.

Heat Stroke: Heat stroke is a severe medical condition requiring first aid and emergency treatment by a medical professional as death can occur without appropriate care. Heat Stroke represents the collapse of the body's cooling mechanisms. As a result, body temperatures often rise to between 105 – 110 F. As the victim progresses toward heat stroke symptoms include hot and usually dry, red and spotted skin, headache, dizziness, nausea, mental confusion, delirium, possible convulsions and loss of consciousness.

Heat Stroke First Aid:

- Immediately remove the victim from the work area to a shady or cool area with good air circulation (avoid drafts or sudden chilling – you do not want the victim to shiver).
- Summon emergency medical help to provide on-site treatment and transportation to a medical facility.
- Remove all protective outerwear and loosen personal clothing.
- Apply cool wet towels, ice bags, etc. to the head, armpits, and thighs. Sponge off the bare skin with cool water or even place the victim in a tub of cool water.

Skin Hazards

Sunburn and prickly heat are both symptoms of skin irritation/damage produced through exposure to sunlight and operating in hot work environments.

- Protect exposed skin with an appropriate sunscreen. A sunscreen with a sun protection factor (SPF) of 15 or greater is required for work in the sun with reapplication at breaks and lunch.
- Heat rash, also known as prickly heat, can be prevented by the application of a hydrophobic, water repellent barrier cream such as Kerodex 71.

B10 Cold Stress – The four environmental conditions that cause cold-related stress are low temperatures, high/cool winds (wind chill), dampness, and cold water. One or any combination of these factors can cause cold-related hazards. Cold stress, including frostbite and hypothermia, can result in severe health effects.

A dangerous situation of rapid heat loss may arise for any individual exposed to high winds and cold temperatures. Major risk factors for cold-related stresses include:

- Wearing inadequate or wet clothing increases the effects of cold on the body.
- Taking certain drugs or medications such as alcohol, nicotine, caffeine, and medication that inhibits the body's response to the cold or impairs judgment.
- Having a cold or certain diseases, such as diabetes, heart, vascular, and thyroid problems, may make a person more susceptible to the winter elements.
- Being male increases a person's risk to cold-related stresses. Men experience far greater death rates due to cold exposure than women, perhaps due to inherent risk-taking activities, body-fat composition, or other physiological differences.

- Becoming exhausted or immobilized, especially due to injury or entrapment, may speed up the effects of cold weather.
- Aging -- the elderly are more vulnerable to the effects of harsh winter weather.

TABLE 2. Cooling Power or Wind on Exposed Flesh Expressed as Equivalent Temperature (under calm conditions)*

Estimated Wind Speed (in mph)	Actual Temperature Reading (°F)											
	50	40	30	20	10	0	−10	−20	−30	−40	−50	−60
	Equivalent Chill Temperature (°F)											
calm	50	40	30	20	10	0	−10	−20	−30	−40	−50	−60
5	48	37	27	16	6	−5	−15	−26	−36	−47	−57	−68
10	40	28	16	4	−9	−24	−33	−46	−58	−70	−83	−95
15	36	22	9	−5	−18	−32	−45	−58	−72	−85	−99	−112
20	32	18	4	−10	−25	−39	−53	−67	−82	−96	−110	−121
25	30	16	0	−15	−29	−44	−59	−74	−88	−104	−118	−133
30	28	13	−2	−18	−33	−48	−63	−79	−94	−109	−125	−140
35	27	11	−4	−20	−35	−51	−67	−82	−98	−113	−129	−145
40	26	10	−6	−21	−37	−53	−69	−85	−100	−116	−132	−148
(Wind speeds greater than 40 mph have little additional effect.)	LITTLE DANGER In < hr with dry skin. Maximum danger of false sense of security				INCREASING DANGER Danger from freezing of exposed flesh within one minute.				GREAT DANGER Flesh may freeze within 30 seconds.			
	Trenchfoot and immersion foot may occur at any point on this chart.											

*Developed by U.S. Army Research Institute of Environmental Medicine, Natick, MA.
Equivalent chilll temperature requiring dry clothing to maintain core body tempearture above 36°C (96.8°F) per cold stress TLV

Cold Stress Prevention

Engineering controls should be utilized whenever possible to protect workers from cold related hazards. For example, on-site heat sources, heated shelters, work areas shielded from drafty or windy conditions, and the use of thermal insulating material on equipment handles.

Effects arising from cold exposure will be minimized by the following control measures:

- Personnel will be trained to recognize cold stress symptoms.
- Field activities will be curtailed or halted if the equivalent chill temperature is below 20 F.
- As much as possible, work that exposes personnel to the cold will be done during the warmest hours of the day.
- Inactivity in cold conditions will be kept to a minimum.
- Frequent short breaks in warm, dry shelters will be taken.
- Vehicles will be equipped with supplies in case the vehicle becomes inoperable (e.g., blanket, dry clothing, water, food, a shovel, etc.

The following PPE will be provided during work in cold environments

- Workers will be provided with insulated dry clothing when the equivalent chill temperature is less the 30 F.

- Feet, hands, the face, and the head should be protected (40% of the body's heat can be lost when the head is exposed).
- Foot and hand wear may also need to be waterproof.
- Clothing should be layered so that adjustments can be made to changing environmental temperatures and conditions. For example, an outer layer to break the wind, a middle layer that will absorb sweat and retain insulation when wet, and an inner layer that allows ventilation.

Cold-Related Illness

Hypothermia: Hypothermia occurs when the body temperature falls to a level where normal muscular and cerebral functions are impaired. Although it usually occurs in freezing air and water temperatures, it can occur in any climate if a person's internal body temperature falls below normal. Symptoms should not be ignored, and a supervisor should be notified as soon as hypothermia is suspected.

Initially, symptoms may include shivering, an inability to do complex motor functions, sluggishness and mild confusion as the body temperature drops to around 95 F. As the body temperature falls, speech may become slurred, and behavior may be irrational, simple motor functions may be difficult to do and a state of "dazed consciousness" may exist. In severe state (below 90 F), heart rate, blood flow, and breathing will slow. Unconsciousness and full heart failure can occur.

Hypothermia First Aid:

- ***On land:***
  - Call for emergency, and then help move the victim (unless other injuries prohibit their being moved) to a warm, dry area and replace wet clothing with warm, dry clothing or a blanket. Move the person carefully because movement can increase the irritability of the heart.
  - If the person is conscious and lucid, warm liquids can be provided, but never alcohol or caffeinated drinks. If possible, have them to move their arms and legs to create muscle heat.
  - If the person is unconscious or unable to assist, place warm bottles/packs in the person's arm pits, groin, neck and head areas.
  - Do not rub the person's body or place them in warm water.
- ***In water:***
  - Call for emergency help and get the victim out of the water. Move them carefully because movement can increase the irritability of the heart.
  - If it is you in the water, do not swim unless a floating object or person can be reached quickly as swimming uses the body's heat and reduces survival time by about 50%.
  - If you are in the water, conserve body heat by folding arms across the chest, keeping thighs together, bending knees and crossing ankles, if another person is in the water with you, huddle together.
  - If you are in the water, do not remove clothing-button, buckle, zip, and tighten collars, cuffs, shoes, and hoods as the water trapped next to the body provides a layer of insulation that may slow the loss of heat.

Frostbite: Frostbite occurs when the skin literally freezes, and deep frostbite can affect deeper tissues such as tendons and muscles. Frostbite usually occurs when temperatures drop below 30 F, but wind chill effects can cause frostbite at above-freezing temperatures. The ears, fingers, toes, cheeks, and nose are the most commonly affected body parts. Initially, symptoms include an uncomfortable sensation of coldness. Tingling, stinging or an aching feeling of the exposed area is followed by numbness. Frostbitten areas appear white and cold to the touch and with deeper frostbite, the area becomes numb, painless, and hard, and can turn black.

Frostbite First Aid:

- Seek medical attention as soon as possible and treat any existing hypothermia first.
- Warm liquid can be provided, but not alcohol or caffeinated drinks such as tea and coffee.
- Do not rub the affected areas, but cover them with dry, sterile gauze or soft, clean bandages.
- Do not try rewarming the affected area if you have not been specifically trained to do so and/or if there is a chance the affected area will get cold again.

Trench Foot: Trench Foot is caused by a continuous exposure to a wet, cold environment. Symptoms include tingling and/or itching sensation, burning pain and swelling and, in more extreme cases, blisters.

Trench Foot First Aid:

- Seek medical attention as soon as possible and move the victim to a warm, dry area.
- Affected tissue can be treated with careful washing and drying, slight elevation. Do not try rewarming the affected area if you have not been specifically trained to do so.

TABLE 3. Threshold Limit Values Work/Warm-up Schedule for Four-Hour Shift*

Air Temperature—Sunny Sky		No Noticeable Wind		5 mph Wind		10 mph Wind		15 mph Wind		20 mph Wind	
°C (approx.)	°F (approx.)	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks
–26° to –28°	–15° to –19°	(Norm. Breaks)	1	(Norm. Breaks)		75 min	2	55 min	3	40 min	4
–29° to –31°	–20° to –24°	(Norm. Breaks)	1	75 min	2	55 min	3	40 min	4	30 min	5
–32° to –34°	–25° to –29°	75 min	2	55 min	3	40 min	4	30 min	5	Non-emergency work should cease	
–35° to –37°	–30° to –34°	55 min	3	40 min	4	30 min	5	Non-emergency work should cease			
–38° to –39°	–35° to –39°	40 min	4	30 min	5	Non-emergency work should cease					
–40° to –42°	–40° to –44°	30 min	5	Non-emergency work should cease							
–43° & below	–45° & below	Non-emergency work should cease									

Notes for Table 3

1. Schedule applies to moderate to heavy work activity with warm-up breaks of ten (10) minutes in a warm location. For Light-to-Moderate Work (limited physical movement): apply the schedule one step lower. For example, at –35°C (–30°F) with no noticeable wind (Step 4), a worker at a job with little physical movement should have a maximum work period of 40 minutes with 4 breaks in a 4-hour period (Step 5).
2. The following is suggested as a guide for estimating wind velocity if accurate information is not available:
   5 mph: light flag moves; 10 mph: light flag fully extended; 15 mph: raises newspaper sheet; 20 mph: blowing and drifting snow.
3. If only the wind chill cooling rate is available, a rough rule of thumb for applying it rather than the temperature and wind velocity factors given above would be: 1) special warm-up breaks should be initiated at a wind chill cooling rate of about 1750 W/m^2; 2) all non-emergency work should have ceased at or before a wind chill of 2250 W/m^2. In general the warm-up schedule provided above slightly under-compensates for the wind at the warmer temperatures, assuming acclimatization and clothing appropriate for winter work. On the other hand, the chart slightly over-compensates for the actual temperatures in the colder ranges, since windy conditions rarely prevail at extremely low temperatures.
4. TLVs apply only for workers in dry clothing.

*Adapted from Occupational Health & Safety Division, Saskatchewan Department of Labour.

B11 Insects, Snakes and Spiders – Care will be taken by all site workers to avoid stinging or biting insects such as ticks, spiders, bees, wasps, hornets, and yellow jackets. Workers allergic to any particular insect sting or bite should seek medical attention if stung or bitten and may need to carry emergency medicine prescribed by their doctor.

Care should always be taken to avoid these insects and increased vigilance is necessary during high infestation seasons, when opening protective casings of monitoring wells, and when walking through areas of heavy vegetation or areas known to be infested.

To minimize the chance of bites/stings:

- Wear appropriate PPE such as light colored clothing so you can see insects, long pants tucked into boots, long sleeves when possible, a hat, and gloves if you are cutting brush or need to handle or move vegetation.

- Check your body and clothing for insects, shower after work and wash/dry clothes at as high temperature as possible.
- Don't swat at insects and don't eat in areas where there are insects.
- Avoid sweet smelling personal hygiene products and, unless contraindicated by the work being performed (e.g., sampling, data collection), wear EPA approved repellants such as those containing DEET.



Black Widow Spider



Brown Recluse Spider

Spider bites generally cause only localized reactions such as swelling, pain, and redness. However, bites from a Black Widow or Brown Recluse, or if you are allergic to spiders, can cause symptoms that are more serious.

First Aid for Spider Bites:

- Clean the bite area with soap and water and place a cold pack over the bite area to reduce swelling.
- Monitor for allergic reactions. If victim has more than minor pain, or if nausea, vomiting, difficulty breathing, or swallowing occurs, medical attention should be sought immediately.



Tick

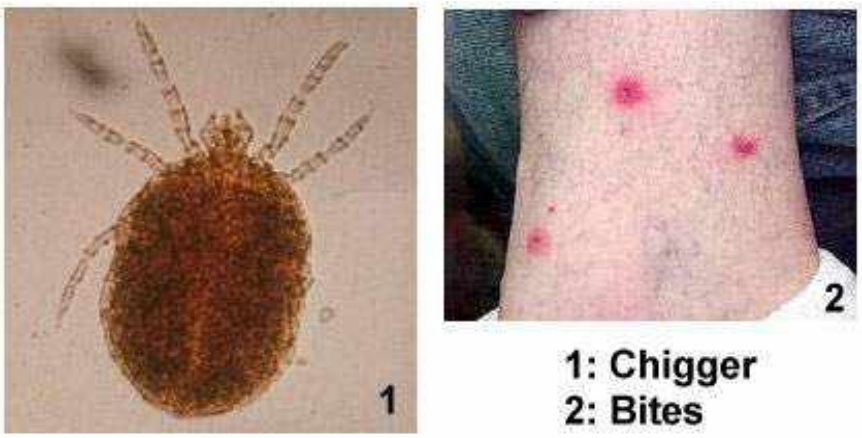


Removing a Tick

Ticks are common, especially in the warmer weather months and may carry diseases such as Rocky Mountain Spotted Fever and Lyme disease.

First Aid for Tick Bites:

- Use a fine tipped tweezers, grasp tick firmly as close to skin as possible and pull the body away from skin. Avoid crushing the body and don't twist.
- If parts of the tick remain in the skin, don't be alarmed as the mouth will dislodge as skin sloughs off.
- Wash area with soap and water and apply antiseptic or antibiotic ointment to prevent infection.
- If unexplained symptoms develop such as severe headaches, fever, or rash within 10 days of the bite, seek medical attention.
- If possible, contain tick in an air tight container for identification purposes in the event of a serious reaction.



Chigger and Chigger Bites

Chiggers are tiny, s-legged wingless organisms that grow up to become a type of mite. They are found in tall grass and weeds and their bites cause severe itching.

First Aid for Chiggers:

- Reduce discomfort and prevent infection
- The affected area should be kept clean by washing with soap and water
- A topical hydrocortisone cream, antihistamine, or local anesthetic may be of value in reducing the itching
- The wounds should not be scratched, if possible
- If signs of infection occur, consult your physician



Wasp



Bee

Bees and wasps belong to the phylum Arthropod family, and they are crucially important to the pollination of plants, specifically flowers, fruits, and vegetables. A sting from a bee or wasp will cause itching, irritation, redness and/or swelling at the sting site.

First Aid for Bee Stings:

- Remove the stinger as quickly as possible - venom continues to enter the skin from the stinger for 45 to 60 seconds following a sting – using a flat dull object, like a credit card. Slid the flat object in the opposite direction of the stinger to remove it from the skin
- Wash the wound using soap and water
- Apply ice for swelling and pain
- A topical hydrocortisone cream, antihistamine, or local anesthetic may be of value in reducing itching
- If the sting occurs on the neck or mouth, seek medical attention immediately, swelling in these areas may cause suffocation

A small percentage of people are allergic to stings and a sting can be fatal, caused by a disruption to breathing and circulatory systems called anaphylactic shock. If the sting is followed by severe symptoms, seek medical attention immediately. Allergic people should never be alone for outdoor activities since help may be needed for prompt emergency treatment. Allergic people should have an identification bracelet as well as carry something like an "EpiPen" for immediate treatment for anaphylactic shock.







Fire Ants

Fire ants are a variety of stinging ants with over 280 species worldwide. Typically, a colony produces large mounds in open areas, and feeds mostly on young plants, seeds, and insects. They nest in the

soil, often near moist areas such as river banks and pond edges. Unlike other ants which bite and then spray acid on the wound, fire ants bite only to get a grip and then sting, injecting toxic alkaloid venom. This results in a painful stinging sensation, similar to what a fire burn feels like.

First Aid for fire Ant Bites:

- Move rapidly away from the nest
- Quickly remove or kill ants on skin and clothing to prevent further stings
- Wash the area gently with soap and water to rid the skin of any venom
- Place cool cloth or ice cloth on sites for 15 minutes, and to relieve pain, dab the area with calamine lotion, a topical (cortisone) or oral antihistamine (e.g. benadryl) to help with swelling
- Do not scratch the blister because this can lead to infection
- Allergic response is rare, but symptoms are difficulty breathing, light headedness, and weakness. Immediate medical attention is required

Snakes serve as an important role as predators in the ecosystem, and help maintain populations of rodents and other prey.

First Aid for Venomous Snake Bites:

- Wash and immobilize the injured area, keeping it lower than the heart if possible
- Seek medical attention immediately
- DO NOT apply ice, cut the wound, apply a tourniquet, or suck the bite
- Remain calm and try not to move the bitten body part
- Wash the bite with soap and water
- Remove jewelry or other items that may be affected by rapid swelling of affected body parts
- Try to identify the type of snake: note color, size, patterns, and markings
- The bite will be painful and have two distinct puncture wounds
- If venom is injected there will be burning and swelling
- ONLY FOR CORAL SNAKE BITES: apply a mild wrapping on the wound



Water Moccasin (aka Cotton Mouth)



Rattlesnake



Coral Snake

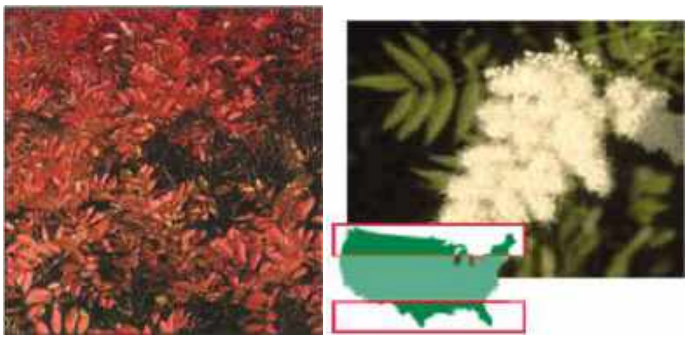


Copperhead

B12 Poisonous Plants – Plants poison on contact, through ingestion, or by absorption or inhalation. They cause painful skin irritations upon contact and can cause internal poisoning when eaten.



Poison Ivy



Poison Sumac



Giant Hogweed



Poison Oak

First Aid for Poisonous Plants:

- Wash exposed areas with cold running water as soon as you can
- When possible, wash your clothing
- Relieve itching by taking cool showers and applying topical anti-itch medications or hydrocortisone
- The rash is often arranged in streaks or lines where you brushed against the plant
- In a few days, the blisters become crusted and take 10 days or longer to heal
- If the reaction is severe or worsens, seek medical attention

B13 Personal Safety – If it is deemed that a work site is in an area where an employee's personal safety may be at risk from potential criminal acts, wild animals, etc. the risks will be evaluated and implementation of preventative measures will be taken to minimize the risk. Informational resources such as the client, local law enforcement officials, Park or Wildlife Service, and Animal Control could be utilized to assess the risk and to ensure the safest possible work environment. For example, local law enforcement can be made present or make frequent drive-bys while work is being done, outside security can be hired, and work can occur only during certain times of the day or work may not proceed at all. Some general guidelines are provided here, but each situation is different and actions must be taken based on the specifics of each.

In areas of risk, employees will communicate via cell phones or 2-way radios, and will check-in at predetermined times throughout each workday. If employees do not call in to the Project Manager or designated representative, the team will be contacted, and if unsuccessful, local law enforcement will be notified.

If you see wild animals while driving, stay in your vehicle. Never get out for a photo or a closer look. Keep windows up and don't try to keep the animal from crossing a road with your vehicle. If you see a wild animal while on foot, never approach the animal. If the animal has not seen you, go back the way you came. Do NOT turn your back and run which could evoke their natural predator instinct. Instead, keep facing the animal and back away at a steady pace. Let it know you are human by talking in a low voice and waving your hands slowly. If you are near a car or building, get inside. In addition, in areas of higher risk (i.e., contacted officials have indicated that wild animals are a nuisance), employees may want to consider carrying "pepper spray".

If, while on the project site, and despite any precautions set forth, if an employee feels that their personal safety is at risk, they shall cease work, leave the work area and immediately report their concerns so that appropriate steps can be taken.

B14 Working Alone and Working in Isolated Areas – Site and Operations employees will assess the risk of working alone as outlined in Section 4 in this HASP. And whenever possible, employees will not work alone in isolated areas. If the isolated area involves hiking/walking into areas that are unmarked or if there is potential to become directionally disoriented (e.g., no trails, unmarked trails, forested or highly vegetated areas), employees will be trained on the use of a compass and trail/topography maps and if necessary, will take wilderness safety training. The employee will work with the Park/Wildlife service on what emergency planning if necessary (e.g., unexpected weather, animal attack, and search/rescue).

Communicating through cell phones or 2-Way Radios will be utilized whenever possible. Employees will check-in at predetermined times throughout each workday and as the risk rating increases, employees will check-in more frequently. If employees do not call in to the Project Manager or designated representative, the team will attempt to be contacted. If contacting the employee is unsuccessful, the appropriate authorities will be notified. In addition, and especially if communication is not possible during the day, the planned start and estimated finish times for the day will be communicated, and employees will check in at the beginning and end of the work day.

If employees will be moving from isolated area to isolated area, there will be established beginning and ending locations, planned start and estimated finish times, and planned routes that will be followed throughout the day. Employees will not deviate from this schedule without first contacting the appropriate personnel. It may also be necessary to notify the client, law enforcement, or Park/Wildlife officials of these schedules.

Local authorities should be contacted about any hunting season that may be in session, and if it is possible that hunters may be present in the area in which Ramboll personnel will be working. If so, employees will wear brightly colored hardhats/hats and reflective vests, will not work before dusk, and work will end 30 minutes before dusk.

If this is not possible to complete work during day light hours, employees will wear appropriate reflective apparel and have appropriate lighting, such as portable lighting, flashlights, or headlamps as appropriate for the activity being conducted. Personal security will be assessed and measures taken as discussed above if appropriate.

B15 Severe Weather – Severe weather conditions include high winds, electrical storms, and heavy rain. At a minimum, all work outdoors will cease during these events. When lightning is spotted, site personnel should use the following steps to avoid injury:

- Workers should note the flash-boom ratio (i.e., count the seconds after the lightning was seen until the thunder was heard).
- By counting the seconds between seeing lightning and hearing thunder and dividing by 5, you can estimate your distance from the storm (in miles or kilometers). If the storm is 6 miles (9.6 kilometers) away or less (30 seconds between when lightning was seen and thunder was heard) workers must stop work and take shelter.
- If the storm is more than 6 miles (9.6 kilometers) away (greater than 30 seconds between lightning and thunder), the site supervisor should monitor the storm and be prepared to cease work if the storm approaches an unsafe distance. Since storms can travel at varying speeds and the amount of time at takes to cease and secure operations will also vary, so prudent judgment should be exercised when storms are in the vicinity and/or developing (e.g., darkening skies, increasing wind speeds, etc.).
- Workers should not stay in exposed areas (outdoors on the ground, on a roof, in an aerial lift, on a steel truss, on an ungrounded steel structure, in a golf cart, un-sided building, etc.) after lightning has been witnessed. All personnel must move to a safe location.
- Workers should wait 30 minutes from the last sight of lightning or sound of thunder before returning to work.

- Those required to travel from one building to another during the 30 minute wait time should do so only by enclosed vehicle.
- Once the 30 minute wait time period has elapsed and no additional lightning or thunder has been seen or heard, individuals may resume normal work.

B16 Aboveground and Underground Utilities – Various forms of underground and aboveground utility lines or pipes (carrying water, wastewater, gas, and or electricity) may be encountered during work activities. Every effort shall be made to locate and mark underground utilities prior to the start of intrusive work. At a minimum, Ramboll will conduct a historical site review to develop a plot plan with the most up to date utility information, contact the appropriate One Call service (where available), contract a Private utility locating service (where available), and clear the critical zone around any intrusive location to 5 feet (1.3 m) in every direction. Please reference Section 4 of the site-specific HASP and SPI 27 Subsurface Clearance for more information.

Work involving machinery with high extensions (backhoes, etc.) will remain at least 10 feet (3.3 meters) from overhead power lines. As line voltage increases, your safe working distance will also increase. If overhead lines are present, call the utility company and find out what voltage is on the lines so the safe working distance can be calculated, or stay at least 28 feet (9m) from cables supported on wooden poles, and 50 feet (15m) from cables supported on metal poles.

Should any operations cause equipment to come into contact with utility lines, the appropriate authority will be notified immediately and an Incident Report will be completed. Work will be suspended until the appropriate actions for the particular situation can be taken.

B17 Trenching/Excavation – An excavation is any manmade cut, cavity, trench, or depression in an earth surface, formed by earth removal. A trench is narrow excavation (in relation to its length) made below the surface of the ground. The following safe operating guidelines apply to open trenches or excavations exceeding four (4) feet (1.3 meters) in depth **or** of any depth if in unstable soil conditions.

- Excavated materials will be stored and retained at least 2 feet (0.6 meters) from the edge of the excavation. This procedure must be observed even when excavation/trench entry will not occur.
- Trees, boulders, and other surface encumbrances that create a hazard will be removed or made safe before excavation is begun.
- Special precautions will be taken in sloping or shoring the sides of excavations adjacent to a previously backfilled excavation.
- Except in hard rock, excavations below the level of the base of the footing of any foundation or retaining wall will not be permitted, unless the wall is underpinned and all other precautions have been taken to ensure the stability of the adjacent walls.
- Excavations will be inspected at least daily, or more often as conditions warrant, by a **competent person** to ensure that changes in temperature, precipitation, shallow groundwater, overburden, nearby building weight, vibrations, or nearby equipment operation has not caused weakening of sides, faces, and flows. Before an employee enters an excavation greater than four (4) feet (1.3 meters) in depth (or less if soil is deemed unstable by a competent person), the atmosphere must be tested to ensure that an oxygen deficient or hazardous atmosphere does not exist. If the

concentration of any airborne contaminant exceeds one-half its permissible exposure limit (PEL) or other applicable occupational exposure limit (OEL), the airborne oxygen concentration is less the 19.5 percent, or explosivity exceeds ten percent of the lower explosive limit (LEL), then no personnel shall be permitted to enter the excavation until such engineering controls or other hazard controls are instituted to eliminate or control the hazard.

- Diversion ditches, dikes, or other suitable means will be used to prevent water from entering an excavation and for drainage of the excavation.
- When mobile equipment is used or allowed adjacent to excavations, stop logs, or barricades will be installed. The grade will always be away from the excavation.
- A means of egress (ladder, ramps, stairways, etc.) shall be accessible at any location inside the excavation without requiring more than 25 feet (8.3 meters) of lateral travel distance.
- Dust conditions during excavation will be kept to a minimum. Wetting agents shall be used when appropriate.
- Field personnel shall not enter any excavation, without specific direction, for any reason except to rescue injured individuals who have fallen into the excavation.
- All excavations will be marked and protected at all times to ensure site personnel, visitors, or unauthorized personnel do not enter without permission or fall into the trench.
- Personnel will work in pairs when working around an excavation of 2' (0.6 meters) or more.

B18 Water Safety – All personnel and visitors when immediately near water (i.e., within 4 feet/1.22 meter), over water, wadding in water or on any vessel, where the danger of drowning exists, must wear a USCG approved personal floatation device (PFD). This PFD must be properly secured to the wearer. The PFD must be free of all defects including rips, tears, stress, and fading, and be kept clean and free of excessive dirt and oil. However, several factors are relevant to determining whether a danger of drowning exists. These include the type of water body (i.e., a pool, a river, and a canal), depth, presence, or absence of a current, height above the water surface, and the use of fall protection when working above a water body.

Depending on the factors present, there are some circumstances where a drowning hazard could exist where workers are near or over water that is relatively shallow (i.e., less than 2 feet (0.6meters) in depth). For example, where workers are not using fall protection and are 10 feet above a river, a worker may fall and be knocked unconscious. Without the use of a life jacket or buoyant work vest, a worker in such a scenario could drown.

A life ring equipped with 90 feet of solid braid polycarbonate line, or equivalent must close to the working area and accessible for use. This includes activities being be on board all vessels and kept readily available.

USCG boating safety guidelines or equivalent should be adhered to when operating a boat during sampling activities. Boats must be equipped with the required running lights for night-time or poor visibility conditions. Boats must be equipped with an anchor and alternate means of locomotion (e.g., extra motor, floatable oars).

B19 Material Handling/Ergonomics – Handling and storing materials involve diverse operations such as hoisting with a crane, driving a truck loaded with materials, carrying bags or materials manually, and stacking materials such as drums, barrels, or lumber. When moving materials manually, employees should attach handles or holders to loads in addition to wearing appropriate personal protective equipment and using proper lifting techniques.

Employees should seek help when handling loads that are too bulky to grasp or lift, when employees cannot see around or over a load, or when they cannot safely handle a load of any other reason. Personal protective equipment should be worn when moving materials to prevent needless injuries. Hand and forearm protection, such as gloves should be worn when working with loads that have sharp or rough edges. Blocking materials can be used to manage and move loads, but ensure the materials are large and strong enough to support the load safely.

When mechanical equipment is used to move materials, allow the weight, shape and size of the material dictate the type of equipment used to move it, based on its rated capacity and making sure not to overload. Equipment-rated capacity should be displayed on each piece of equipment in use. When picking up items with a powered truck, center the load as close to the mast as possible, avoid overloading and do not put extra weight on the rear to counterbalance the equipment, adjust the load to the lowest possible safe position when traveling, and always follow the manufacturer's operational instructions.

Lifting, carrying and lowering objects represents a potential physical hazard to Ramboll personnel. Therefore, it is every employee's responsibility to realistically evaluate the object to determine if the weight and size exceeds the employee's ability to lift, lower, or carry it. To eliminate or minimize the risk of lifting hazards, utilize proper techniques, such as keeping the back straight and legs bent. Objects should always be lifted, lowered and carried as close to the body as possible. If the equipment cannot be lifted in this manner, it is too heavy to lift alone. Call other personnel, or use a mechanical device for aid in lifting. Mechanical aids like hand trucks and carts or the buddy system should be used to move heavy objects, objects with poor handgrips or large bulky objects. Some other things to consider:

- Evaluate the object for the presence of any physical hazards such as pinch points, sharp or jagged edges, burrs or rough and slippery surfaces.
- The route in which the object will be moved should be free from obstructions, which could cause difficulty in moving the object.
- Asses other hazards such as stairs before you move the object and consider smaller loads with multiple trips as a safe alternative
- If an object is stored at a level higher than five feet, or on the floor, an appropriate mechanical device may be necessary to move the object.
- Recognized lifting hazards should be designed out of the work process whenever possible.

Proper lifting and lowering techniques should be followed even if the object or material to be lifted is of lighter weight. Keep the objects as close to the body as possible and:

- Establish a firm footing with feet at approximately shoulder width and one foot slightly ahead of the other. This posture will aid in keeping good balance and will establish a stable lifting base.

- Always bend at the knees, not at the waist when lifting or lowering an object.
- Obtain a good secure grip on the object.
- When beginning to lift, tighten your stomach muscles and use your les to lift the object, as leg muscles are generally stronger than back muscles.
- Lift slowly and smoothly.
- If you need to turn as you lift, do not twist at the waist, but instead pivot with the feet.

When lowering the object, reverse the procedure.

B20 Power Tools – Tools can be hazardous when improperly used since these types of tools utilize energy: Electric, liquid fuel, hydraulic, pneumatic, and powder-actuated. The following precautions will be taken by employees to prevent injury:

- Power tools will always be operated within their design limitations, and only by employees who have been appropriately trained in the use, operation, and proper handling of such tools.
- Guards are not to be removed or rendered inoperative.
- Eye protection, gloves, and safety footwear are recommended during operation.
- Store tools in an appropriate dry location when not in use.
- Work only in well illuminated locations.
- Tools will not be carried by the cord or hose, and cords or hoses will not be yanked to disconnect it from the receptacle.
- Cords and hoses will be kept away from heat, oils, and sharp edges or any other source that could result in damage.
- Tools will be disconnected when not in use, before servicing, and when changing accessories such as blades, bits, and cutters.
- Observers will be kept at a safe distance at all times from the work area.
- Tools will be maintained in a clean manner, and properly maintained in accordance with the manufacturer's guidelines. Periodic inspection of hand and portable power tools should occur.
- Ensure that the work area is kept clean to maintain proper footing and good balance.
- Ensure that proper apparel is worn. Loose clothing, ties, or jewelry can become caught in moving parts.
- Tools that are damaged will be removed from service immediately and tagged "Do Not Use".

B21 Vehicle Use – Work areas and site conditions must be considered when designating and selecting a vehicle for use. The vehicle shall be maintained in safe working order as required by the manufacturer. This would include a routine preventive maintenance schedule for servicing and checking of safety-related equipment. Special consideration should be taken when weather conditions reduce the safety and visibility while driving. Appropriate measures should be taken while driving

during inclement weather including snow, icy, and/or wet conditions; high winds; hail, heavy rains; debris or other impairments to safe driving caused by natural weather.

Special-use vehicles (e.g., All-Terrain Vehicles (ATV), snowmobiles, etc.) are vehicles with a light engine or electric motor, other than construction equipment, and are not intended and/or allowed for highway use. These vehicles may **not** have seat belts or **do not** have substantial roll protection (i.e., ROPS, FOPS, steel roll-cage, etc.). In addition, the following general practice will be followed:

- All vehicles will be operated in accordance with the Manufacturer's requirements and specifications;
- Drivers should use prudent judgment and proceed cautiously when driving on non-paved roads;
- Operators of special-use vehicles shall be trained by a competent person. At a minimum, training will be hands-on by a competent person and the operator shall demonstrate of basic skills. All individuals are required meet all training aspects before use;
- All vehicles shall remain on flat surfaces at all times and shall not be operated on slopes steeper than a 30% grade;
- Daily inspections of vehicles for safety and maintenance will be required (i.e., fluid leaks/levels, tire pressure, tire surfaces, lights, fuel levels, brakes, etc.); Speed limits shall be maintained to safe operating speeds;
- Make sure the engine is turned OFF before dismounting the vehicle;
- Avoid driving over any extreme obstacles (i.e. wood/logs, fences, boulders, etc.);
- Watch for pedestrians and other vehicles;
- Only drive during daylight hours;
- Do not carry passengers;
- Slow down before coming to a stop;
- Shut engine down prior to refueling;
- Each driver will have a valid driver’s license.
- Operators shall wear:
  - wear safety glasses, goggles, or face-shield at all times when moving
  - leather boots
  - a ***PROPERLY FITTED*** DOT/ANSI/SNELL approved helmet
  - Leather gloves

B22 Seasonal Hunting Hazards – During recreational hunting seasons, field personnel will wear appropriate clothing, such as fluorescent orange Hi-Vis vests, so as to be visible to hunters and not blend in with the landscape. Field personnel should also use whistles, air horns and/or other means to make their presence known to hunters and wildlife alike. The schedule of the hunting season, if applicable, will be included as an addendum to this HASP in order to inform personnel of the type of game (e.g., deer, pheasant, duck, etc.) that is being hunted and the type of weapon being used (e.g.,

bow & arrow, shot gun, single shot rifle, etc.). Be aware that even if "No Trespassing" and/or "No Hunting Allowed" signs are posted, trespassers and/or hunting may still be on site. At no point should field personnel or contractors confront trespassers.

B23 Demolition – Personnel shall not be permitted in any area that can be adversely affected by mechanical demolition operations. Only those workers necessary for the performance of the operations shall be permitted in the area. The area shall be barricaded as necessary to prevent unauthorized personnel or anyone not associated with the demolition operation from entering the area.

All roof cornices or other ornamental stonework shall be removed prior to removing the walls. When removing walls or portions thereof, all steel members affected shall be cut prior to wall removal. During demolition, continuing inspections by a competent person shall be made as the work progresses to detect hazards resulting from the weakened or deteriorated floors, walls, or loosened material. No employee shall be permitted to work where such hazards exist until they are corrected by shoring, bracing, or other effective means.

B24 Unexploded Ordinances – Some sites (e.g., mines, firing ranges, ordinance manufacturing facilities, etc.) may have old explosives, blasting caps, or other types of unexploded ordinances that may be stored on site (e.g., in mines, in structures surrounding the mine or buried on site). Individuals must take immediate action in the event of finding and/or suspecting that explosives may be present. These include not touching or disturbing suspected explosives or making loud noises in their immediate vicinity. Slowly retreat from the area and immediately reported to the PIC/PM, Project Health and Safety Coordinator, and Corporate Health and Safety Director so that ordinance experts can be contacted.

B25 Closed / Abandoned Mines – The underground mine and associated buildings and equipment may not have been maintained over the years. The structural soundness of the mine, buildings and equipment may be compromised and could collapse. Personnel are to avoid all contact with mine or building supports. Personnel are not to venture into mines or perform any work in areas should they appear structurally unstable. These conditions are to be immediately reported to the PC, Project Health and Safety Coordinator, and Corporate Health and Safety Director.

APPENDIX C
SUBSURFACE CLEARANCE FIELD CHECKLIST

SUBSURFACE CLEARANCE (SSC) FIELD CHECK LIST

(Use this form to document & identify field elements of SSC. Retain the completed form with the project file)

Site Name/Project No.: _____ Designated Person: _____

Walkover Date: _____ PIC/PM: _____

Intrusive Locations Surveyed: _____

(RAMBOLL MANAGED SUBSURFACE CLEARANCE ACTIVITIES)	Yes	No	N/A	Comments
1. The potential for unexploded ordnance (UXO) has been assessed and a UXO survey performed, if applicable.	☐	☐	☐	
2. Public utility markings are present for all utility companies notified. List the companies with public utilities present on-site and cross check with expected utilities and on-site indicators:	☐	☐	☐	
Natural gas/oil/petroleum lines and associated tanks:	☐	☐	☐	
Electric:	☐	☐	☐	
Potable water pipes, hydrants:	☐	☐	☐	
Sewers (storm/process water/sanitary) and/or Manways/Grates/Culverts:	☐	☐	☐	
Public lighting (street and traffic):	☐	☐	☐	
Telephone and Data Lines:	☐	☐	☐	
Other underground utilities:	☐	☐	☐	
3. Private utilities marked and scope discussed with/provided to locator	☐	☐	☐	Subcontractor Name: Contact #:
Alternate intrusive locations chosen in case of refusal or presence of utilities/indicators in Critical Zone	☐	☐	☐	
Describe nonconformity or unexpected conditions found by locator	☐	☐	☐	
4. Site Walkover performed to confirm utility markouts and assess the presence of Visual Indicators. If visual indicators are present, note location in comments/Plot Plan:	☐	☐	☐	
Indication of underground storage tank/piping and dispense islands	☐	☐	☐	
Non-native soils, surface depressions, new/dead vegetation	☐	☐	☐	
Saw cuts, patched surfaces, warning tape or other surficial indicators of below ground work	☐	☐	☐	
Pumps, pump galleries, piping manifolds and/or racks, process equipment, compressors, etc.	☐	☐	☐	
On or below-grade transformers	☐	☐	☐	
Fuel oil lines, tanks, fill ports, observation wells, vent stacks, hydraulic lift systems	☐	☐	☐	
Adjacent/supplemental buildings with no apparent utility feeds (electricity, water, gas)	☐	☐	☐	
Other:	☐	☐	☐	
5. Plot Plan updated to reflect most accurate site SSC information. Describe any on-site additions/changes	☐	☐	☐	
6. Ground Disturbance location(s) and Critical Zones (5ft/1.5m distance in every horizontal direction surrounding disturbance locations) cleared of utilities and visual indicators	☐	☐	☐	Contact PIC/PM and H&S Director if utilities pass through the Critical Zone of a planned ground disturbance location
A mark has been placed on each intrusive location and radial marks extending to the edge of the Critical Zone	☐	☐	☐	
Intrusive locations and Critical Zones cleared of utilities using sweep and search method or other applicable SSC investigative methods.	☐	☐	☐	
Once evaluated and cleared of utilities, intrusive locations cannot be moved and a Critical Zone must be maintained around the locations	☐	☐	☐	
Alternative intrusive locations used due to obstructions within Critical Zone. Describe abandoned and alternative locations	☐	☐	☐	
7. Pre-start H&S meeting conducted and SSC risk/hazards discussed	☐	☐	☐	
Locate results and intrusive locations/Critical Zones understood by all parties involved	☐	☐	☐	

Form completed by _____ _____ _____

Name Date Signature

APPENDIX D
FIRST AID GUIDANCE

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SITE-SPECIFIC FIRST AID GUIDANCE



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1. FIELD PREPARATIONS

The first step in controlling the risks presented by certain plants and animals is thorough field preparations, including but not limited to the following:

- Research local species that are present or active in your area
- Identify important information to aid in identification and plan for appropriate control mechanisms
- Document hazards in your field-specific project plan (i.e. HASP, HSP or RA) and communicate with field personnel
- Follow the hierarchy of controls to reduce risks, which we'll discuss later in this lesson
- Identify first aid treatments and emergency protocols

Animals and insects that pose a threat to human safety vary greatly by region and local environment. Furthermore, the level of threat they pose varies greatly by species and situation. Some animals only pose nuisance threats while others can be life threatening. Of those animals that can be harmful to humans, few will outright attack unless they feel threatened or are protecting their young. Therefore it is very important to evaluate each situation where animals can be encountered individually to assess the risk.

2. INSECT BITES AND STINGS

Care will be taken by all site workers to avoid stinging or biting insects such as ticks, spiders, bees, wasps, hornets, and yellow jackets. Workers allergic to any particular insect sting or bite should seek medical attention if stung or bitten and may need to carry emergency medicine prescribed by their doctor.

Care should always be taken to avoid these insects and increased vigilance is necessary during high infestation seasons, when opening protective casings of monitoring wells, and when walking through areas of heavy vegetation or areas known to be infested.

To minimize the chance of bites/stings:

- Wear appropriate PPE such as light colored clothing so you can see insects, long pants tucked into boots, long sleeves when possible, a hat, and gloves if you are cutting brush or need to handle or move vegetation.
- Check your body and clothing for insects, shower after work and wash/dry clothes at as high a temperature as possible.
- Do not swat at insects and do not eat in areas where there are insects.
- Avoid sweet smelling personal hygiene products and, unless contraindicated by the work being performed (e.g., sampling, data collection), wear EPA approved repellants such as those containing DEET.

2.1 Spider Bites

Spider bites generally cause only localized reactions such as swelling, pain, and redness. However, bites from a Black Widow or Brown Recluse, or if you are allergic to spiders, can cause symptoms that are more serious.



Black Widow Spider



Brown Recluse Spider

2.1.1 First Aid for Spider and Scorpion Bites and Stings

- Clean the bite area with soap and water and place a cold pack over the bite area to reduce swelling.

- Monitor for allergic reactions. If the victim has more than minor pain or if nausea, vomiting, difficulty breathing, or swallowing occurs: medical attention should be sought immediately. CALL 911.

2.2 Ticks

Ticks are common in tropic & temperate regions across the world. They prefer moist areas with dense vegetation/long grass but they can survive in many places including urban parks and gardens.

Ticks are small and easily overlooked. They vary in size, depending on the species, stage of development, gender, and whether the tick has recently fed. Ticks do not fly or jump but patiently wait for a mammal to pass by and then climb on. They are most active between spring and autumn.

Ticks feed off of the blood of mammals, birds, amphibians, and reptiles. However, they are more likely to feed off of mammals as they mature from nymphs into adulthood and as adults. Ticks find their hosts by detecting animals´ breath and body odors, body heat, moisture, and vibrations. Some species can even recognize a shadow.





They wait in a position call "questing," resting on the tips of grasses and shrubs. When the host brushes by the tick, it will climb aboard. Some ticks will attach quickly and others will wander, looking for places like the ear, or other areas where the skin is thinner.

The main hazard associated with ticks is the transmission of disease. The ability of a tick to transmit disease, however, depends on a number of factors:

- The type of tick (only certain species carry transmittable diseases)
- The region of the world the tick inhabits
- The duration of time it is attached to a host

In most cases, tick bites are unlikely to result in a tick-borne illness, especially when removed soon after the bite. For example, the Lyme disease research foundation estimates that only about 2% of all tick bites result in Lyme disease. In addition, in most cases, a tick must be attached for at least 24 hours before disease can be transmitted.

In order to determine the risk of a tick-borne disease, it is important to research the risk prior to starting field activities. Research should include species of tick(s) local to jobsite and diseases the tick species can carry. Some common tick-borne diseases include:

- Bacteria: Lyme disease & Rocky Mountain spotted fever
- Viruses: Heartland virus & tick-borne encephalitis virus (TBEV)
- Parasites: Babesiosis

Once you are knowledgeable about the hazards and risks presented by ticks at your site you should take as much of the following preventative measures as needed:

- Identify potential tick habitats and avoid them when possible
- Treat clothes and/or yourself with bug repellent prior to going to the site (check in with PM prior to use)
- Tuck and/or tape pants and long sleeves
- Wear light colors or Tyvek suits
- Clear vegetation if possible
- Perform tick checks periodically throughout the day
- Perform a thorough tick check at the end of the day.

It is important to conduct regular tick checks throughout the day and at the end of a work shift, since risk of disease transmission is directly related to the length of time a tick is attached. You may not know you have been bitten as ticks can secrete small amounts of saliva with anesthetic properties. Ticks prefer warm, moist places and may look like a freckle or dirt. Nymphs will be harder to spot!

2.2.1 First Aid for Tick Bites

If you are bitten by a tick -

- Remove tick as soon as possible using tweezers or a tick removing tool
- Grasp the tick as close to skin as possible in order to grab the head and slowly pull upwards with even pressure. Do not twist or jerk the tick, as mouthparts left behind can cause a local infection
- If you are unable to remove the mouthpart, leave it alone and let the skin heal. DO NOT attempt to remove the tick with heat or "painting" the tick with nail polish or petroleum jelly. You should remove the tick as quickly as possible, do not wait for it to detach.
- Wash the bite area (soap and water or rubbing alcohol) and apply antiseptic. Monitor the bits spot for several weeks.





Some regions have tools specific to the removal of ticks. Ask your local HSC if they can get you one.

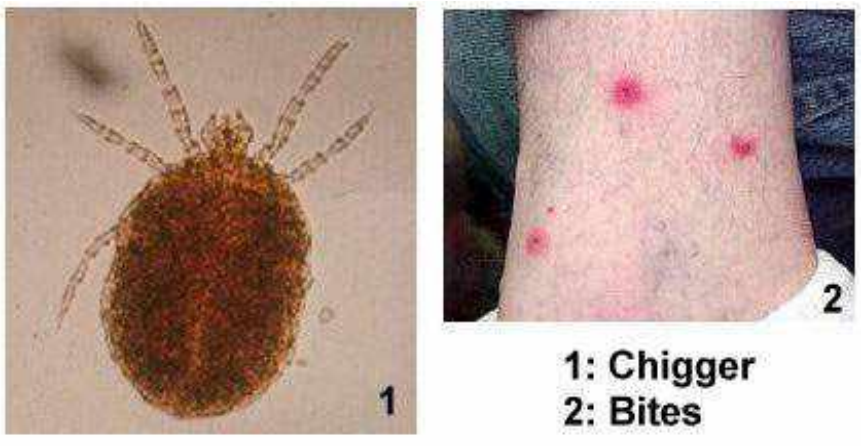
After you remove a tick, monitor the bite area and yourself for several weeks. If you begin to feel unwell (common symptoms of tick-related illnesses are fever/chills, aches and pains, similar to the flu) or start to develop a red bulls-eye like rash around the bite area, see a doctor immediately.

If you seek or need medical attention, employees are encouraged, when possible, to go to occupational clinics familiar with the hazards and risks that our type of work incurs, as opposed to

going to a generic doc-in-the-box or an Emergency Room. In the US, Ramboll Environ's third party medical surveillance partner WorkCare provides an Incident Intervention service that includes a 24 hour help line and information/access to hundreds of clinics around the US. Employees are encouraged to contact WorkCare with their questions/concerns.

2.3 Chiggers

Chiggers are tiny, s-legged wingless organisms that grow up to become a type of mite. They are found in tall grass and weeds and their bites cause severe itching.



2.3.1 First Aid for Chiggers

- Reduce discomfort and prevent infection
- The affected area should be kept clean by washing with soap and water
- A topical hydrocortisone cream, antihistamine, or local anesthetic may be of value in reducing the itching
- The wounds should not be scratched, if possible
- If signs of infection occur, consult your physician

2.4 Bees And Wasps

Bees and wasps belong to the phylum Arthropod family, and they are crucially important to the pollination of plants, specifically flowers, fruits, and vegetables. A sting from a bee or wasp will cause itching, irritation, redness and/or swelling at the sting site.



A small percentage of people are allergic to stings and a sting can be fatal, caused by a disruption to breathing and circulatory systems called anaphylactic shock. If the sting is followed by severe symptoms, seek medical attention immediately. Allergic people should never be alone for outdoor

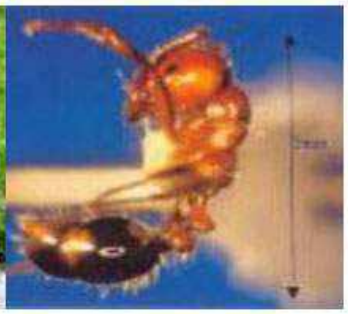
activities since help may be needed for prompt emergency treatment. Allergic people should have an identification bracelet as well as carry something like an "EpiPen" for immediate treatment for anaphylactic shock.

2.4.1 First Aid for Bee Stings

- Remove the stinger as quickly as possible-venom continues to enter the skin from the stinger for 45 to 60 seconds following a sting–using a flat dull object, like a credit card. Slid the flat object in the opposite direction of the stinger to remove it from the skin.
- Wash the wound using soap and water
- Apply ice for swelling and pain
- A topical hydrocortisone cream, antihistamine, or local anesthetic may be of value in reducing the itching
- If the sting occurs on the neck or mouth, seek medical attention immediately, swelling in these areas may cause suffocation

2.5 Fire Ants

Fire ants are a variety of stinging ants with over 280 species worldwide. Typically, a colony produces large mounds in open areas, and feeds mostly on young plants, seeds, and insects. They nest in the soil, often near moist areas such as river banks and pond edges. Unlike other ants which bite and then spray acid on the wound, fire ants bite only to get a grip and then sting, injecting toxic alkaloid venom. This results in a painful stinging sensation, similar to what a fire burn feels like.


2.5.1 First Aid for Fire Ant Bites

- Move rapidly away from the nest
- Quickly remove or kill ants on skin and clothing to prevent further stings
- Wash the area gently with soap and water to rid the skin of any venom.
- Place cool cloth or ice cloth on sites for 15 minutes, and to relieve pain, dab the area with calamine lotion, a topical (cortisone) or oral antihistamine (e.g., Benadryl) to help with swelling
- Do not scratch the blister because this can lead to infection
- Allergic response is rare, but symptoms are difficulty breathing, light headedness, and weakness. Immediate medical attention is required.

3. SNAKES

Snakes serve as an important role as predators in the ecosystem, and help maintain populations of rodents and other prey.

3.1 First Aid for Venomous Snake Bites

- Wash and immobilize the injured area, keeping it lower than the heart if possible
- Seek medical attention immediately
- DO NOT apply ice, cut the wound, or apply a tourniquet
- Do not cut or suck the bite
- Remain calm and try not to move the bitten body part
- Remove jewelry or other items that may be affected by rapid swelling of affected body parts
- Try to identify the type of snake: note color, size, patterns, and markings
- The bite will be painful and have two distinct puncture wounds
- If venom is injected there will be burning and swelling
- ONLY FOR CORAL SNAKE BITES: apply a mild wrapping on the bite wound



Water Moccasin
(aka cotton mouth)



Rattlesnake



Coral Snake



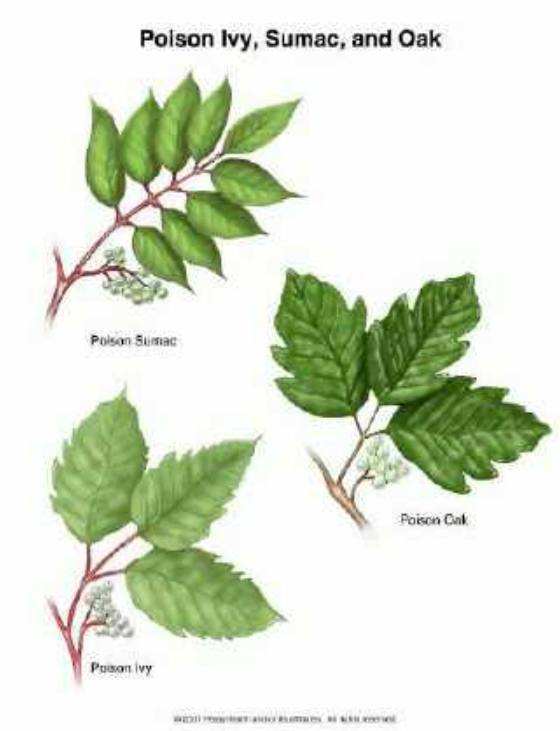
Copperhead

4. POISONOUS PLANTS

Poisonous Plants – Plants poison on contact, through ingestion, or by absorption or inhalation. They cause painful skin irritations upon contact and can cause internal poisoning when eaten.

4.1 First Aid for Poisonous Plants

- Wash exposed areas with cold running water as soon as you can
- When possible, wash your clothing
- Relieve itching by taking cool showers and applying topical anti-itch medications or hydrocortisone
- The rash is often arranged in streaks or lines where you brushed against the plant
- In a few days, the blisters become crusted and take 10 days or longer to heal
- If the reaction is severe or worsens, seek medical attention



POISON IVY





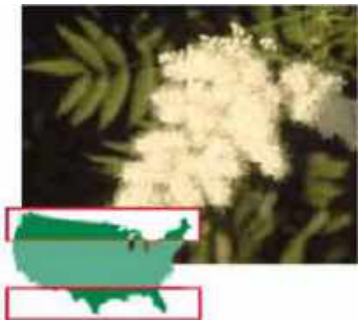


POISON SUMAC





POISON OAK




GIANT HOGWEED



5. HEAT STRESS

Heat stress can be a significant hazard, especially for workers wearing protective clothing.

Depending on the ambient conditions and the work being performed, heat stress can occur very rapidly, within as little as 15 minutes. Site personnel will be instructed in the identification of a heat stress victim, the first-aid treatment procedures for the victim and in the prevention of heat stress incidents.

Workers will be encouraged to immediately report any heat-related problems that they experience or observe in fellow workers. Any worker exhibiting signs of heat stress and exhaustion should be made to rest in a cool location and drink plenty of water. Emergency help by a medical professional is required immediately for anyone exhibiting symptoms of heat stroke, such as red, dry skin, confusion, delirium, or unconsciousness. Heat stroke is a life threatening condition that must be treated by competent medical authority.

ACGIH screening criteria for heat stress exposure in degrees Celsius for an 8 hour work day 5 days per week with conventional breaks will be used in determining safe exposure for acclimatized and unacclimatized employees.

Allocation of Work in a Work/Rest Cycle	Acclimatized				Action Limit (Unacclimatized)			
	Light	Moderate	Heavy	Very Heavy	Light	Moderate	Heavy	Very Heavy
75-100%	31.0 (87.8F)	28.0 (82.4F)	--	--	28.0 (82.4F)	25.0 (77F)	--	--
50-75%	31.0 (87.8F)	29.0 (84.2F)	27.5 (81.5)	--	28.5 (83.3F)	26.0 (78.8F)	24.0 (75.2F)	--
25-50%	32.0 (89.6F)	30.0 (86F)	29.0 (84.2F)	28.0 (82.4F)	29.5 (85.1F)	27.0 (80.6F)	25.5 (77.9)	24.5 (76.1F)
0-25%	32.5 (90.5F)	31.5 (88.7F)	30.5 (86.9F)	30.0 (86F)	30.0 (86F)	29.0 (84.2F)	28.0 (82.4F)	27.0 (80.6F)

5.1 Heat Stress Prevention

Whenever possible or within the control of ENVIRON, engineering controls should be utilized to protect workers from heat related hazards (e.g., heat shielding such as using awnings or umbrellas). Appropriate work practices can also lessen the chances of heat related hazards. Some of these include:

- Water and/or electrolyte fluids should be about equal to the amount of sweat produced (i.e., drinking 5-7 ounces (150 -200 mL) of water every 15-20 minutes). Ideally, fluids should be at room temperature to allow for quicker absorption. Consider keeping water at room temperature and electrolyte fluids chilled. Do NOT chill both.
- Whenever possible, gradual exposure to heat is preferred to allow the body's internal temperature to actuate to the working conditions.

- Whenever possible, adjust the work schedule to reduce risk of heat stress. For example, postpone nonessential or heavier work to the cooler part of the day and perform work in the shade if portable.
- Rotate personnel to reduce the amount of time spent working in direct sun and heat.
- Increase the number and/or duration of rest breaks, and whenever possible, rest break areas should be in a cool area and as close to the work area as is feasible.

Wear appropriate PPE when necessary, such as thermally conditioned clothing, self-contained air conditioning in a backpack, and plastic jackets/vests with pockets that can be filled with dry ice or ice. However, based on the type of work being done, where work is being performed, or other required PPE, these options may be prohibited or make the use of this PPE impossible or impractical.

5.2 Heat Related Illnesses

5.2.1 Heat Stress

This is the mildest heat-related illness, but prompt action may prevent it from turning into a more severe heat-related illness. Symptoms include irritability, lethargy, significant sweating, headache, or nausea. The following guidance can be used in the identification and treatment of heat related illness.

5.2.2 Heat Stress First Aid

- Take victim to a protected (e.g., shaded, cool) area, remove any excess protective clothing, and provide cool fluids.
- If an air-conditioned spot is available, this is an ideal break location.
- Once the victim shows improvement he/she may resume working, however the work pace and practices (e.g., does fluid intake need to be increased) should be moderated to prevent recurrence of the symptoms.

5.2.3 Heat Exhaustion

Usually begins with muscular weakness, dizziness, nausea, and a staggering gait. Symptoms include pale, clammy skin, and profuse sweating, vomiting, and the bowels may move involuntarily. The pulse is weak and fast, breathing is shallow. Fainting can occur.

5.2.4 Heat Exhaustion First Aid

Immediately remove the victim from the work area to a shady or cool area with good air circulation (avoid drafts or sudden chilling – you do not want the victim to shiver).

- Call a physician or emergency service, or transport the victim to medical care.
- Remove all protective outerwear.
- If the victim is conscious, it may be helpful to give him/her sips of water.

5.2.5 Heat Stroke

Heat stroke is a severe medical condition requiring first aid and emergency treatment by a medical professional as death can occur without appropriate care. Heat Stroke represents the collapse of the body's cooling mechanisms. As a result, body temperatures often rise to between 105° – 110° F (40.5° – 43.3° C). As the victim progresses toward heat stroke symptoms include hot and usually dry, red and spotted skin, headache, dizziness, nausea, mental confusion, delirium, possible convulsions and loss of consciousness.

5.2.6 Heat Stroke First Aid

- Immediately remove the victim from the work area to a shady or cool area with good air circulation (avoid drafts or sudden chilling – you do not want the victim to shiver).
- Summon emergency medical help to provide on-site treatment and transportation to a medical facility.
- Remove all protective outerwear and loosen personal clothing.
- Apply cool wet towels, ice bags, etc. to the head, armpits, and thighs. Sponge off the bare skin with cool water or even place the victim in a tub of cool water.

5.2.7 Skin Hazards

Sunburn and prickly heat are both symptoms of skin irritation/damage produced through exposure to sunlight and operating in hot work environments.

- Protect exposed skin with an appropriate sunscreen. A sunscreen with a sun protection factor (SPF) of 15 or greater is required for work in the sun with reapplication at breaks and lunch.
- Heat rash, also known as prickly heat, can be prevented by the application of a hydrophobic, water repellent barrier cream such as Kerodex 71.

6. COLD STRESS

The four environmental conditions that cause cold-related stress are low temperatures, high/cool winds (wind chill), dampness, and cold water. One or any combination of these factors can cause cold-related hazards. Cold stress, including frostbite and hypothermia, can result in severe health effects.

A dangerous situation of rapid heat loss may arise for any individual exposed to high winds and cold temperatures. Major risk factors for cold-related stresses include:

- Wearing inadequate or wet clothing increases the effects of cold on the body.
- Taking certain drugs or medications such as alcohol, nicotine, caffeine, and medication that inhibits the body's response to the cold or impairs judgment.
- Having a cold or certain diseases, such as diabetes, heart, vascular, and thyroid problems, may make a person more susceptible to the winter elements.
- Being male increases a person's risk to cold-related stresses. Men experience far greater death rates due to cold exposure than women, perhaps due to inherent risk-taking activities, body-fat composition, or other physiological differences.
- Becoming exhausted or immobilized, especially due to injury or entrapment, may speed up the effects of cold weather.
- Aging -- the elderly are more vulnerable to the effects of harsh winter weather.

TABLE 2. Cooling Power or Wind on Exposed Flesh Expressed as Equivalent Temperature (under calm conditions)*

Estimated Wind Speed (in mph)	Actual Temperature Reading (°F)											
	50	40	30	20	10	0	−10	−20	−30	−40	−50	−60
	Equivalent Chill Temperature (°F)											
calm	50	40	30	20	10	0	−10	−20	−30	−40	−50	−60
5	48	37	27	16	6	−5	−15	−26	−36	−47	−57	−68
10	40	28	16	4	−9	−24	−33	−46	−58	−70	−83	−95
15	36	22	9	−5	−18	−32	−45	−58	−72	−85	−99	−112
20	32	18	4	−10	−25	−39	−53	−67	−82	−96	−110	−121
25	30	16	0	−15	−29	−44	−59	−74	−88	−104	−118	−133
30	28	13	−2	−18	−33	−48	−63	−79	−94	−109	−125	−140
35	27	11	−4	−20	−35	−51	−67	−82	−98	−113	−129	−145
40	26	10	−6	−21	−37	−53	−69	−85	−100	−116	−132	−148
(Wind speeds greater than 40 mph have little additional effect.)	LITTLE DANGER In < hr with dry skin. Maximum danger of false sense of security				INCREASING DANGER Danger from freezing of exposed flesh within one minute.				GREAT DANGER Flesh may freeze within 30 seconds.			
	Trenchfoot and immersion foot may occur at any point on this chart.											

*Developed by U.S. Army Research Institute of Environmental Medicine, Natick, MA.
Equivalent chilll temperature requiring dry clothing to maintain core body tempearture above 36°C (96.8°F) per cold stress TLV

6.1 Cold Stress Prevention

Engineering controls should be utilized whenever possible to protect workers from cold related hazards. For example, on-site heat sources, heated shelters, work areas shielded from drafty or windy

conditions, and the use of thermal insulating material on equipment handles. Effects arising from cold exposure will be minimized by the following control measures:

- Personnel will be trained to recognize cold stress symptoms.
- Field activities will be curtailed or halted if the equivalent chill temperature is below 20 F (7C).
- As much as possible, work that exposes personnel to the cold will be done during the warmest hours of the day.
- Inactivity in cold conditions will be kept to a minimum.
- Frequent short breaks in warm, dry shelters will be taken.
- Vehicles will be equipped with supplies in case the vehicle becomes inoperable (e.g., blanket, dry clothing, water, food, a shovel, etc.

TABLE 3. Threshold Limit Values Work/Warm-up Schedule for Four-Hour Shift*

Air Temperature—Sunny Sky		No Noticeable Wind		5 mph Wind		10 mph Wind		15 mph Wind		20 mph Wind	
°C (approx.)	°F (approx.)	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks	Max. Work Period	No. of Breaks
–26° to –28°	–15° to –19°	(Norm. Breaks)	1	(Norm. Breaks)		75 min	2	55 min	3	40 min	4
–29° to –31°	–20° to –24°	(Norm. Breaks)	1	75 min	2	55 min	3	40 min	4	30 min	5
–32° to –34°	–25° to –29°	75 min	2	55 min	3	40 min	4	30 min	5	Non-emergency work should cease	
–35° to –37°	–30° to –34°	55 min	3	40 min	4	30 min	5	Non-emergency work should cease			
–38° to –39°	–35° to –39°	40 min	4	30 min	5	Non-emergency work should cease					
–40° to –42°	–40° to –44°	30 min	5	Non-emergency work should cease							
–43° & below	–45° & below	Non-emergency work should cease									

Notes for Table 3

1. Schedule applies to moderate to heavy work activity with warm-up breaks of ten (10) minutes in a warm location. For Light-to-Moderate Work (limited physical movement): apply the schedule one step lower. For example, at –35°C (–30°F) with no noticeable wind (Step 4), a worker at a job with little physical movement should have a maximum work period of 40 minutes with 4 breaks in a 4-hour period (Step 5).
2. The following is suggested as a guide for estimating wind velocity if accurate information is not available: 5 mph: light flag moves; 10 mph: light flag fully extended; 15 mph: raises newspaper sheet; 20 mph: blowing and drifting snow.
3. If only the wind chill cooling rate is available, a rough rule of thumb for applying it rather than the temperature and wind velocity factors given above would be: 1) special warm-up breaks should be initiated at a wind chill cooling rate of about 1750 W/m^2; 2) all non-emergency work should have ceased at or before a wind chill of 2250 W/m^2. In general the warm-up schedule provided above slightly under-compensates for the wind at the warmer temperatures, assuming acclimatization and clothing appropriate for winter work. On the other hand, the chart slightly over-compensates for the actual temperatures in the colder ranges, since windy conditions rarely prevail at extremely low temperatures.
4. TLVs apply only for workers in dry clothing.

*Adapted from Occupational Health & Safety Division, Saskatchewan Department of Labour.

6.2 Cold-Related Illness

6.2.1 Hypothermia

Hypothermia occurs when the body temperature falls to a level where normal muscular and cerebral functions are impaired. Although it usually occurs in freezing air and water temperatures, it can occur in any climate if a person's internal body temperature falls below normal. Symptoms should not be ignored, and a supervisor should be notified as soon as hypothermia is suspected.

Initially, symptoms may include shivering, an inability to do complex motor functions, sluggishness and mild confusion as the body temperature drops to around 95 F. As the body temperature falls, speech may become slurred, and behavior may be irrational, simple motor functions may be difficult to do and a state of "dazed consciousness" may exist. In severe state (below 90 F or 32 C), heart rate, blood flow, and breathing will slow. Unconsciousness and full heart failure can occur.

6.2.2 Hypothermia First Aid

6.2.2.1 On Land

- Call for emergency, and then help move the victim (unless other injuries prohibit their being moved) to a warm, dry area and replace wet clothing with warm, dry clothing or a blanket. Move the person carefully because movement can increase the irritability of the heart.
- If the person is conscious and lucid, warm liquids can be provided, but never alcohol or caffeinated drinks. If possible, have them to move their arms and legs to create muscle heat.
- If the person is unconscious or unable to assist, place warm bottles/packs in the person's arm pits, groin, neck and head areas.
- Do not rub the person's body or place them in warm water.

6.2.2.2 In Water

- Call for emergency help and get the victim out of the water. Move them carefully because movement can increase the irritability of the heart.
- If it is you in the water, do not swim unless a floating object or person can be reached quickly as swimming uses the body's heat and reduces survival time by about 50%.
- If you are in the water, conserve body heat by folding arms across the chest, keeping thighs together, bending knees and crossing ankles, if another person is in the water with you, huddle together.
- If you are in the water, do not remove clothing-button, buckle, zip, and tighten collars, cuffs, shoes, and hoods as the water trapped next to the body provides a layer of insulation that may slow the loss of heat.

6.2.3 Frostbite

Frostbite occurs when the skin literally freezes, and deep frostbite can affect deeper tissues such as tendons and muscles. Frostbite usually occurs when temperatures drop below 30 F (1C), but wind chill effects can cause frostbite at above-freezing temperatures. The ears, fingers, toes, cheeks, and nose are the most commonly affected body parts. Initially, symptoms include an uncomfortable sensation of coldness. Tingling, stinging or an aching feeling of the exposed area is followed by numbness. Frostbitten areas appear white and cold to the touch and with deeper frostbite, the area becomes numb, painless, and hard, and can turn black.

6.2.4 Frostbite First Aid

- Seek medical attention as soon as possible and treat any existing hypothermia first.
- Warm liquid can be provided, but not alcohol or caffeinated drinks such as tea and coffee.
- Do not rub the affected areas, but cover them with dry, sterile gauze or soft, clean bandages.
- Do not try rewarming the affected area if you have not been specifically trained to do so and/or if there is a chance the affected area will get cold again

7. SMALL CHEMICAL SPILLS

Chemical hazards present in environmental samples or in the environment being sampled are NOT the only "chemicals of concern". Toxic chemicals may also be brought onto a site as part of the sampling event in the form of sample preservatives. In general, sample preservation is required for most water samples. Two practices exist for adding a preservative: 1) addition of the preservative to the samples in the field; and 2) addition of the preservative to the sampling containers prior to sending the samplers into the field. In either case, EXTREME caution MUST be exercised when adding a preservative to a sample vial or using vials which already contain a preservative since these preservatives will vary in concentration and type. Some examples of the type of preservatives which may be encountered include sodium thiosulfate to remove chlorine; hydrochloric acid or ammonium chloride to stabilize pH and reduce biological activity; or sodium bisulfate.

7.1 Chemical First Aid (Body)

In the event that you suspect that you have been exposed to a chemical, whether or not you were wearing PPE, you should:

- Remove yourself or the victim from the accident area.
- Remove any contaminated clothing.
- Wash the injured area to dilute or remove the substance, using large volumes of water.
- Wash for at least 20 minutes, taking care not to allow runoff to contact unaffected parts of your body.
- Gently brush away any solid materials, again avoiding unaffected body surfaces.
- Especially wash away any chemical in your eye. Sometimes the best way to get large amounts of water to your eye is to step into the shower.

7.2 Chemical First Aid (Eye)

For all chemical injuries to the eye, the first thing you should do is immediately irrigate the eye copiously. Ideally, specific eye irrigating solutions should be used for this, but if none are available regular tap water will do just fine.

- Begin washing your eye before taking any other action and continue for at least 10 minutes. The longer a chemical is in your eye, the more damage will occur. Diluting the substance and washing away any particles that may have been in the chemical are extremely important.
- Ideally, in a work setting, you would be placed in an emergency eyewash or shower station and your eye washed with sterile isotonic saline solution. If sterile saline is not available, use cold tap water.
- All acid or alkali eye burns require immediate treatment and evaluation by a doctor. You should be taken immediately to the closest emergency department. If you suspect a serious injury may have occurred or are otherwise not able to make the trip to the emergency room quickly, then you should call an ambulance to shorten transport time. Take the Safety Data Sheet (SDS) on the chemical you were exposed to with you to the hospital.

Any time you experience pain, tearing, redness, irritation, or vision loss, go to a hospital's emergency department for immediate evaluation, even if you believe the chemical is only a mild irritant.

APPENDIX E
EMERGENCY INFORMATION

Table 1A: Emergency Response Telephone Roster		
	Office	**Cell**
PERSONNEL		
Ramboll Corporation		
Principal In Charge: Farshad Razmdjoo	949-798-3609	949-697-1418
Project Manager: Matthew Sweet	973-286-4291	201-575-1715
Designated Site Supervisor: Matthew Sweet	973-286-4291	201-575-1715
Health & Safety Coordinator: Sharon Burkett	609-243-9832	609-306-8631
Corporate H&S Director: Michael Haggerty	678-388-1651	770-802-3949
Contractors		
Company: Coastal Environmental Solutions Contact: Marc Morgenstern	631-319-6536	516-587-9570
Company: GPRS Inc. Contact: Josh Elam	419-843-9804	631-241-2261
Client/Security		
Site Contact: Thomas Brennan	TBD	TBD
EMERGENCY RESPONSE AGENCIES		
Hospital: Bellevue Hospital Emergency Department	911	212-562-8052
Emergency Fire: FDNY Engine 259/Ladder 128/Battalion 45	911	212-639-9675
Emergency Police: NYC Police Department 108th Precinct	911	718-784-5411
New York City Department of Health		718-267-2170
Ambulance Service: Bellevue Hospital Emergency Department	911	212-562-8052
OTHER EMERGENCY ASSISTANCE		
CHEMTREC	800-424-9300	
National Response Center (oil and chemical spills)	800-424-8802	
Poison Control Center	800-222-1222	
Federal Emergency Management Agency	202-646-2500	

Table 1B: Emergency Services Instructions

For Emergency Medical Incidents, Emergency Fire Response, or Hazardous Materials Incidents

Emergency Telephone Numbers:

- Hospital: 911
- Police: 911
- Fire Department: 911
- Site Security/Client: Thomas Brennan (Number TBD)

1. Remember to speak SLOWLY and CLEARLY. Do NOT hang up first: let the dispatcher conclude the call.
2. Provide the following information:
   a. Location: 47-50 30th Street, Long Island City, Queens, New York
   b. Your name and phone number
3. Describe nature of Incident:
   a. Emergency Medical Incident
      - How many victims
      - Type of incident - physical injury, etc.
      - Assessment of victims' condition if known (whether victim is conscious/unconscious, breathing/not breathing, pulse/no pulse, nature of injuries, first aid measures used, etc.)
      - Where incident occurred
   b. Fire:
      - Location of Fire
   c. Hazardous Materials Incident:
      - This is a hazardous materials incident requiring dispatch of HAZMAT unit
      - Type of incident (fire, explosion, spill, etc.)
      - Type of material (specific chemicals or general description)
      - Whether there is also a Medical Emergency
4. Give your location at the Site

Note: Security, Site Supervisor or designee must meet the emergency personnel at the staging area to brief them on the situation.

ROUTE DESCRIPTION AND MAP TO HOSPITAL

Hospital Information:

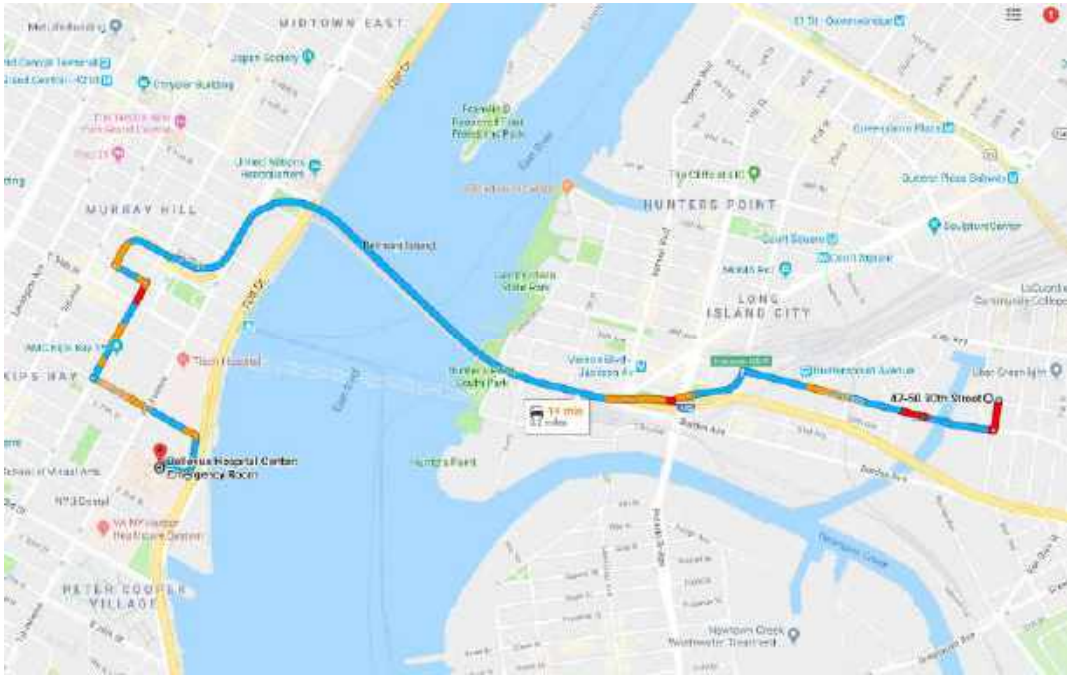
Hospital Name: *Bellevue Hospital Emergency Department*

Hospital Address: *462 1st Avenue, New York, NY 10016*

Hospital Phone Number: *212-562-4141*

Directions to Area Hospital:

- Exit the site and turn right on 30th St. toward 48th Ave.
- Turn right onto 49th Ave.
- Turn left onto 21st St.
- Turn right onto the ramp to Midtown Tun/Manhattan (partial toll road)
- Keep left and merge onto I-495 W (toll road)
- Continue onto Queens Midtown Tunnel (toll road)
- Use the left lane to take the exit toward Downtown
- Turn left onto E 35th St.
- Use any lane to turn right at the 1st cross street onto 2nd Ave.
- Turn left on E 30th St.
- Slight right onto FDR Dr.
- Turn right onto E 28th St.



APPENDIX C
SOIL BORING LOGS

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BORING #:	SB1
DATE:	1/10/19
START TIME:	14:40
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 420M
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	18-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	10/36	8.1	SB1-SS01-20190110 at 15:10 for VOCs, SVOCs, PCBs, TAL metals	10” FILL with red brick and crushed concrete.
3.0 – 6.0	NA	10/36	6.4		2” Crushed CONCRETE. 8” Fine SAND, trace silt, trace fill, dark brown. Wood at base, copper/metal fragment.
6.0 – 9.0	NA	10/36	6.3		6” FILL 4” Fine to medium SAND, trace silt, reddish brown, poorly graded, dry to moist.
9.0 – 12.0	NA	24/36	6.2, 5.1, 5.0, 5.4		5” FILL, asphalt. 19” Widely graded SAND, little silt, trace pebble, trace gravel, reddish brown, poorly graded, moist.
12.0 – 15.0	NA	8/36	4.3		8” Silty SAND, gravel, pebble, fill, dark brown, moist.
15.0 – 18.0	NA	27/36	3.3, 3.3, 3.5, 3.6	SB1-SS02-20190110 at 15:50 for VOCs, SVOCs, PCBs, TAL metals	9” Fine to medium silty SAND, crushed asphalt, trace pebble, dark brown, poorly graded, moist. 18” Peaty CLAY, dark gray, plastic, odor, organics.

COMMENTS:

BORING #:	SB2
DATE:	1/9/19
START TIME:	15:10
LOGGED BY:	Victoria Sacks, Matthew Sweet
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	3-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Drillers hit a rock at 6' bgs. SB2A was installed to attempt recovery from 3-6' bgs and deeper.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	12/36	NA	SB2-SS01-20190109 at 15:40 for VOCs, SVOCs, TAL metals, PCBs.	12" Mixed FILL: asphalt, red brick, trace organics.

COMMENTS:

BORING #:	SB2A
DATE:	1/9/19
START TIME:	15:50
LOGGED BY:	Victoria Sacks, Matthew Sweet
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	6-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Installed adjacent to SB2 after refusal from rock at 6' bgs. At SB2A, drillers again encountered rock and gravel (possibly old foundation) they could not get through at 6' bgs.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
3.0 – 6.0	NA	18/36	20.2, 40.0		18" FILL, brick, gravel.

COMMENTS:

BORING #:	SB3
DATE:	1/9/19
START TIME:	17:42
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	18-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	12/36	17.1	SB3-SS01-20190109 at 17:46 for VOCs, SVOCs, TAL metals, PCBs.	12” FILL, asphalt, trace brick.
3.0 – 6.0	NA	18/36	6.7, 6.2		10” FILL, asphalt. 8” ASPHALT.
6.0 – 9.0	NA	21/36	6.2, 9.3, 10.1		12” Mixed FILL, asphalt, crushed boulder. 9” Fine to medium SAND, trace pebble, reddish brown, poorly graded, dry to moist.
9.0 – 12.0	NA	30/36	7.5, 6.0, 5.9, 6.2		2” Clayey SAND, dark brown, plastic, dry to moist. 7” ASPHALT. 18” Widely graded silty SAND, grades reddish brown to grayish brown, poorly graded, moist to wet. 3” Clayey SILT, slight odor.
12.0 – 15.0	NA	27/36	6.0, 5.8, 6.0, 6.1		24” Widely graded SAND, trace silt, pebble, gravel, poorly graded. 14-16”: band of crushed asphalt. 4” Clayey SAND, gravel, grayish brown, slight odor.
15.0 – 18.0	NA	33/36	8.7, 8.4, 7.5, 9.1, 8.9	SB3-SS02-20190109 at 18:22 for VOCs, SVOCs, TAL metals, PCBs.	12” Widely graded SAND, trace silt, trace pebble, band of crushed asphalt. 12” Clayey SAND, gravel. Stained 16-19”, slight odor. 9” Widely graded SAND, trace silt, pebble.

COMMENTS:

BORING #:	SB6
DATE:	1/7/19
START TIME:	17:15
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	18-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Background PID reading: 12.9 ppm.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	10/36	23.0, 21.0, 20.5	SB6-SS01-20190107 at 19:35 for VOCs, SVOCs, PCBs, TAL metals.	9” Fine to medium SAND, little pebble, little gravel, boulder at base, reddish brown, loose, dry. 10” Fine to medium SAND, pebble, slag, trace brick, dark brown, loose, dry.
3.0 – 6.0	NA	36/36	213, 130, 100		14” Medium to coarse SAND, gravel, pebble, fill material. 5” ASPHALT, fill.
6.0 – 9.0	NA	36/36	23, 17.3		4” Widely graded SAND, trace gravel, dark brown, poorly graded. 3” Crushed BOULDER. 3” Clayey SAND, gravel, medium brown/gray, plastic. 6” Fine to medium SAND, trace silt, trace pebble, reddish brown, poorly graded, dry to moist.
9.0 – 12.0	NA	36/36	26.3		3” Fine to medium SAND, trace silt, reddish brown, loose, poorly graded, dry to moist. 3” Fine to medium SAND, trace silt, trace clay, trace pebble.
12.0 – 15.0	NA	36/36	25.2, 52.6, 48		4” Coarse SAND (grades into widely graded sand), pebble, gravel, trace clay, wet. 12” Widely graded SAND, pebble, gravel, clay, wet, petroleum-like odor.
15.0 – 18.0	NA	36/36	35.0, 30.7, 16.3	SB6-SS02-20190107 at 20:20 for VOCs, SVOCs, PCBs, TAL metals.	12” Widely graded SAND, trace pebble, trace gravel, dark gray, poorly graded, wet. 10” Coarse silty SAND, gravel, pebble, trace slag, trace brick, strong odor, stained at base.

COMMENTS:

BORING #:	SB8
DATE:	1/7/19
START TIME:	17:20
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	3-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Refusal at 3.5' (concrete).
Background PID reading: 27.0.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	22/36	40.1, 36.5, 41.0	SB8-SS01-20190107 at 18:00 for VOCs, SVOCs, PCBs, TAL metals.	8" Fine to medium SAND, little to some pebble, trace gravel, light brown, loose, dry. 9" Fine to medium SAND, trace silt, medium brown, poorly sorted, dry to moist. 5" Fine to medium SAND, fill (slag, brick, glass), trace silt, loose, dry.

COMMENTS:

BORING #:	SB8A
DATE:	1/7/19
START TIME:	18:30
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	3-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Retry after refusal at 3.5' at SB8.
Background PID reading: 14.2 ppm.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	10/36	200s, 300s	SB8A-SS01-20190107 at 19:10 for VOCs, SVOCs, PCBs, TAL metals	10" FILL with red brick and crushed concrete.

COMMENTS:

BORING #:	SB9
DATE:	1/8/19
START TIME:	N/A
LOGGED BY:	Victoria Sacks, Matthew Sweet
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	15-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Background PID reading: 5.0.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	21/36	Background	SB09-SS01-20190108 for VOCs, SVOCs, TAL metals, PCBs.	21" SAND, gravel, medium brown, poorly graded.
3.0 – 6.0	NA	17/36	Background		17" Widely graded SAND, gravel, concrete, brick, gray to dark brown, dry.
6.0 – 9.0	NA	23/36	Background, 12.2		10" FILL, widely graded SAND, gravel, dark brown. PID reading of 12.2 at 8". 13" Native material: SAND, little silt, trace gravel, dark brown, poorly graded, moist.
9.0 – 12.0	NA	0/36	NA		No recovery.
12.0–15.0	NA	18/36	11.8, 11.7, 12.2, 36	SB09-SS02-20190108 at 18:05 for VOCs, SVOCs, TAL metals, PCBs.	9" Widely graded SAND, gravel, brown, moist. 9" Silty SAND, mica, fill, dark gray, wet.

COMMENTS:

BORING #:	SB10
DATE:	1/8/19
START TIME:	17:20
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	18-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

Background PID reading: 5.0.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	17/36	30.5, 15.3, 14.3	SB10-SS01-20190107 at 16:23 for VOCs, SVOCs, TAL metals, PCBs.	17” Fine to medium SAND, trace pebble, trace brick, band of mica at 10”, color grades from light brown to reddish brown.
3.0 – 6.0	NA	16/36	34.4, 34.1		3” Fine SAND, pebble, gravel, light brown, loose, dry. 2” Medium to coarse SAND, trace silt, dark brown. 6” ASPHALT, fill. 5” Fine to medium SAND, reddish brown, loose, dry to moist.
6.0 – 9.0	NA	24/36	29.5, 17.0, 11.5, 9.3		3” ASPHALT and fill (brick). 21” Fine to medium SAND, reddish brown, loose, dry to moist.
9.0 – 12.0	NA	26/36	4.6, 4.6, 4.3, 4.3		2” Fine to medium SAND, little silt, poorly graded, loose, dry to moist. 4” Silty SAND, fill, dark brown, loose, poorly graded, dry to moist. 20” Fine to coarse SAND, trace pebble, trace silt, reddish brown, moist, clay at base.
12.0 – 15.0	NA	24/36	4.8, 4.9, 8.2, 3.5		18” Widely graded SAND, trace silt, trace clay, trace pebble, medium brown, poorly graded, moist. 6” Coarse SAND, pebble, gravel, clay at base, slight hydrocarbon-like odor.
15.0 – 18.0	NA	34/36	6.2, 6.3, 6.4, 6.4, 6.5	SB10-SS02-20190107 at 17:13 for VOCs, SVOCs, TAL metals, PCBs.	17” Widely graded SAND, pebble at base, dark brown, moist. 7” Fine to medium SAND, gravel, little clay, little mica, grayish brown, moderately plastic, dry to moist. 10” ORGANIC soil, trace mica, roots, dark brown, slight odor.

COMMENTS:

BORING #:	SB11
DATE:	1/7/19
START TIME:	16:00
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	9-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

No recovery below 9' due to excessive wetness.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	27/36	0.0, 1.1, 1.1, 0.8	SB11-20190107-SS01 at 15:37 for VOCs, SVOCs, PCBs, TAL metals	8" Widely graded SAND, gravel, medium brown, asphalt at base. 19" Silty SAND, fill material, brick fragment, concrete, asphalt, black.
3.0 – 6.0	NA	24/36	0.0, 0.0, 0.0, 0.0		12" Silty SAND, black. 12" Silty SAND, trace silt, brown, poorly graded, moist.
6.0 – 9.0	NA	21/36	0.0, 0.0, 0.0	SB11-SS02-20190107 at 16:10 for VOCs, SVOCs, PCBs, TAL metals	12" Fine to medium SAND, bands of clay, some gravel, some fill, medium to light brown, poorly sorted, moist. 9" SAND, silt, clay, medium brown, plastic, root hairs throughout, last 3" wet, with gravel.

COMMENTS:

BORING #:	SB12
DATE:	1/7/19
START TIME:	16:00
LOGGED BY:	Victoria Sacks, Claire Elias
DRILLING CO:	Coastal Environmental Solutions
DRILLER:	Marc Morgenstern, Tom Fitzpatrick
RIG:	Geoprobe® 54IT
SAMPLING METHOD:	Macrocore
BORING DIA:	2.25-inch
BORING DEPTH:	9-feet
ORGANIC VAPOR EQUIPMENT:	PID-MiniRAE 3000 (10.6 eV)

RAMBOLL

BORING LOG

PROJECT: ARE - 47-50 30th Street

CASE #: 1690010617-001

COMMENTS:

No recovery below 9' due to excessive wetness.

DEPTH (feet)	BLOW COUNTS	RECOVERY (inches)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0.0 – 3.0	NA	24/36	0.0, 0.0, 0.0, 0.0	SB12-20190107-SS01 at 16:30 for VOCs, SVOCs, PCBs, TAL metals	9” Medium SAND, some gravel, some fill, little brick, gray, poorly sorted, dry to moist. 3” Silty SAND, dark brown, dry to moist. 3” Widely graded SAND, gravel, medium brown, dry to moist. 12” BRICK, asphalt.
3.0 – 6.0	NA	24/36			3” ASPHALT. 21” Fine to medium SAND, trace to little silt, trace gravel, light brown, poorly sorted, dry to moist.
6.0 – 9.0	NA	26/36		SB12-SS02-20190107 at 16:40 for VOCs, SVOCs, PCBs, TAL metals	4” Same as above. 4” Fine to medium SAND, trace to little silt, black, dry to moist. 12” Medium SAND, medium brown, poorly graded. 6” Silty SAND, trace clay, wet.

COMMENTS:

APPENDIX D
LOW FLOW GROUNDWATER SAMPLING FIELD LOGS

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RAMBOLL ENVIRON

Low Flow Groundwater Sampling Field Log

Monitoring Well - **TW-1**

ARE - 47-50 30th Street
Long Island City, NY

Sampling Information

Date - **January 10, 2019**
Personnel - **B. Keegans & C. Elias**
Weather - **Cloudy, 30 F**

Sampling Device - **Peristaltic Pump**
Water Quality Meter - **Horiba U-52**
Monitoring Equipment - **MiniRAE PID 3000**

Well Information

Well Vault PID - **16.9** ppm
Well Casing PID - **16.9** ppm
Measured Depth to Bottom - **17.12** ft BTOC
Well Screened Zone - _____ ft BTOC

Well Diameter - **2.0** inch
Depth to Pump Intake - _____ ft BTOC
Static Depth to Water - **9.50** ft BTOC
Post-Pump Depth to Water - _____ ft BTOC
Well Volume - **1.24** gallons

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
16:45	--	*300*	6.76	3.430	0.0	17.79	-85	0.22	9.50	Slightly silty
16:50	0.0	*300*	6.76	3.360	0.0	18.46	-102	0.00	9.50	Slightly silty
16:55	1.5	*300*	6.76	3.130	690.0	19.45	-104	0.00	9.50	Slightly silty
17:00	3.0	*300*	6.77	3.090	856.0	19.51	-107	0.00	9.50	Clear
17:05	4.5	*300*	6.78	3.010	548.0	19.60	-108	0.00	9.50	Clear
17:10	6.0	*300*	6.79	2.970	375.0	19.64	-107	0.00	9.50	Clear
17:15	7.5	*300*	6.82	2.980	280.0	19.68	-109	0.07	9.50	Clear
17:20	9.0	*300*	6.82	2.950	246.0	19.71	-110	0.00	9.50	Clear
17:25	10.5	*300*	6.85	2.940	208.0	19.75	-109	0.00	9.50	Clear
17:30	12.0	*300*	6.87	2.890	181.0	19.78	-109	0.00	9.50	Clear
17:35	13.5	*300*	6.88	2.810	224.0	19.84	-109	0.00	9.50	Clear
17:40	15.0	*300*	6.92	2.830	404.0	19.90	-110	0.00	9.50	Clear
17:45	16.5	*300*	6.96	2.810	142.0	19.93	-111	0.21	9.50	Clear
17:50	18.0	*300*	6.96	2.850	143.0	19.94	-111	0.00	9.50	Clear
17:55	19.5	*300*	6.99	2.870	142.0	19.96	-111	0.00	9.50	Clear
18:00	21.0	*300*	6.99	2.850	143.0	19.96	-112	0.00	9.50	Clear
18:05	22.5	*300*	6.99	2.840	143.0	19.97	-111	0.00	9.50	Clear
18:05	***SAMPLE***	300	6.99	2.840	143.0	19.97	-111	0.00	9.50	Clear

Sample ID - TW1-20190110
Sample Time - 18:05

Notes / Sample Information

Appearance at Start - **Slightly silty**
Appearance After Purging - **Clear**

Additional Sample - None
Additional Sample ID - N/A

Total Volume Purged - **22.5** liters
Purge Rate - **300-300** mL/min

DTW After Purging - **9.50** ft bTOC
DTW at Time of Sampling - **9.50** ft bTOC

Analyses - TCL VOCs (8260B);
TCL SVOCs (8270C/8270C + SIM);
Dissolved Organic Carbon (SM5310);
Dissolved Mn, Mg, Ca, Na, K (200.8);

Notes **silty, turbid**

RAMBOLL ENVIRON

Low Flow Groundwater Sampling Field Log

Monitoring Well - **TW-3**

ARE - 47-50 30th Street
Long Island City, NY

Sampling Information

Date - **January 9, 2019**
Personnel - **B. Keegans & C. Elias**
Weather - **Cloudy, 42 F**

Sampling Device - **Peristaltic Pump**
Water Quality Meter - **Horiba U-52**
Monitoring Equipment - **MiniRAE PID 3000**

Well Information

Well Vault PID - **0.0** ppm
Well Casing PID - **0.4** ppm
Measured Depth to Bottom - **18.87** ft BTOC
Well Screened Zone - _____ ft BTOC

Well Diameter - **2.0** inch
Depth to Pump Intake - _____ ft BTOC
Static Depth to Water - **9.67** ft BTOC
Post-Pump Depth to Water - _____ ft BTOC
Well Volume - **1.50** gallons

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
19:30	--	*300*	7.00	2.450	0.0	20.27	-111	1.70	9.67	notable sheen
19:35	0.0	*300*	7.02	2.470	0.0	20.46	-116	1.29	9.67	Slightly silty
19:40	1.5	*300*	7.05	2.460	0.0	20.62	-114	1.01	9.67	Slightly silty
19:45	3.0	*300*	7.07	2.370	536.0	20.08	-111	0.93	9.67	Clear
19:50	4.5	*300*	7.07	0.360	489.0	20.58	-111	0.93	9.67	Clear
19:55	6.0	*300*	7.11	2.330	440.0	20.61	-111	1.50	9.67	Clear
20:00	7.5	*300*	7.08	2.310	405.0	20.64	-110	0.85	9.67	Clear
20:05	9.0	*300*	7.08	2.290	327.0	20.63	-110	0.78	9.67	Clear
20:10	10.5	*300*	7.08	2.270	261.0	20.67	-109	0.75	9.67	Clear
20:15	12.0	*300*	7.07	2.240	200.0	20.69	-109	0.70	9.67	Clear
20:20	13.5	*300*	7.11	2.230	147.0	20.70	-110	0.66	9.67	Clear
20:25	15.0	*300*	7.09	2.250	131.0	20.69	-108	0.64	9.67	clear
20:30	16.5	*300*	7.06	2.240	124.0	20.69	-108	0.64	9.67	Clear
20:35	18.0	*300*	7.07	2.270	42.1	20.69	-109	0.63	9.67	clear
20:40	19.5	*300*	7.05	2.260	41.0	20.70	-108	0.62	9.67	clear
20:45	21.0	*300*	7.04	2.250	40.0	20.70	-108	0.61	9.67	clear
20:50	22.5	*300*	7.07	2.240	85.0	20.69	-108	1.50	9.67	clear
20:55	24.0	*300*	7.03	2.240	83.6	20.68	-109	0.66	9.67	clear
21:00	25.5	*300*	7.04	2.240	85.3	20.71	-109	0.62	9.67	clear
21:05	27.0	*300*	7.03	2.240	57.9	20.68	-108	0.60	9.67	clear
21:10	28.5	*300*	7.02	2.230	56.1	20.70	-108	0.59	9.67	Clear
21:15	30.0	*300*	7.01	2.210	56.1	20.71	-109	0.59	9.67	clear
21:20	31.5	*300*	7.03	2.210	56.0	20.72	-109	0.57	9.67	clear
21:20	***SAMPLE***	300	7.03	2.210	56.0	20.72	-109	0.57	9.67	Clear

Sample ID - **TW3-20190109**
Sample Time - **21:20**

Notes / Sample Information

Appearance at Start - **notable sheen**
Appearance After Purging - **Clear**

Additional Sample - **None** ft bTOC
Additional Sample ID - **N/A** ft bTOC

Total Volume Purged - **31.5** liters
Purge Rate - **300-300** mL/min

DTW After Purging - **9.67**
DTW at Time of Sampling - **9.67**

Analyses - TCL VOCs (8260B); TCL SVOCs (8720C/8720C + SIM)
Dissolved Organic Carbon (SM5310); Dissolved Mn, Mg, Ca, Na, K (200.8)

RAMBOLL ENVIRON

Low Flow Groundwater Sampling Field Log

Monitoring Well - **TW3**

ARE - 47-50 30th Street
Long Island City, NY

Sampling Information

Date - **January 9, 2019**
Personnel - **B. Keegans & C. Elias**
Weather - **Cloudy, 42 F**

Sampling Device - **Peristaltic Pump**
Water Quality Meter - **Horiba U-52**
Monitoring Equipment - **MiniRAE PID 3000**

Well Information

Well Vault PID - **0.0** ppm
Well Casing PID - **0.4** ppm
Measured Depth to Bottom - **18.87** ft BTOC
Well Screened Zone - _____ ft BTOC

Well Diameter - **2.0** inch
Depth to Pump Intake - _____ ft BTOC
Static Depth to Water - **9.67** ft BTOC
Post-Pump Depth to Water - _____ ft BTOC
Well Volume - **1.50** gallons

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**

Notes

RAMBOLL ENVIRON

Low Flow Groundwater Sampling Field Log

Monitoring Well - **TW-10**

ARE - 47-50 30th Street
Long Island City, NY

Sampling Information

Date - **January 9, 2019**
Personnel - **B. Keegans & C. Elias**
Weather - **Cloudy, 30s F**

Sampling Device - **Peristaltic Pump**
Water Quality Meter - **Horiba U-52**
Monitoring Equipment - **MiniRAE PID 3000**

Well Information

Well Vault PID - **0.0** ppm
Well Casing PID - **0.0** ppm
Measured Depth to Bottom - **11.95** ft BTOC
Well Screened Zone - _____ ft BTOC

Well Diameter - **2.0** inch
Depth to Pump Intake - _____ ft BTOC
Static Depth to Water - **9.82** ft BTOC
Post-Pump Depth to Water - _____ ft BTOC
Well Volume - **0.35** gallons

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
17:30	--	*300*	7.25	0.695	574.0	18.70	-22	1.27	9.82	Slightly silty
17:35	0.0	*300*	7.19	0.679	372.0	18.77	-26	1.17	9.82	Slightly silty
17:40	1.5	*300*	7.09	0.677	223.0	18.82	-34	0.91	9.82	PID: 100ppm
17:45	3.0	*300*	7.03	0.681	92.6	18.89	-42	0.73	9.82	Clear
17:50	4.5	*300*	7.09	0.687	40.3	18.88	-51	0.60	9.82	Clear
17:55	6.0	*300*	7.11	0.682	24.7	18.78	-55	0.67	9.82	Clear
18:00	7.5	*300*	7.18	0.686	14.3	18.80	-58	0.46	9.82	Clear
18:05	9.0	*300*	7.19	0.687	18.3	18.80	-59	0.38	9.82	Clear
18:10	10.5	*300*	7.20	0.692	6.1	18.82	-60	0.35	9.82	Clear
18:15	12.0	*300*	7.20	0.694	2.9	18.82	-59	0.33	9.82	Clear
18:20	13.5	*300*	7.22	0.689	0.0	18.84	-59	0.29	9.82	Clear
18:25	15.0	*300*	7.19	0.688	0.0	18.84	-56	0.59	9.82	Clear
18:30	16.5	*300*	7.24	0.640	0.0	18.83	-59	0.29	9.82	Clear
18:35	18.0	*300*	7.24	0.686	0.0	18.85	-59	0.28	9.82	Clear
18:40	19.5	*300*	7.21	0.687	0.0	18.84	-58	0.28	9.82	Clear
18:45	21.0	*300*	7.21	0.685	0.0	18.86	-58	0.28	9.82	Clear
18:45	***SAMPLE***	300	7.21	0.685	0.0	18.86	-58	0.28	9.82	Clear

Sample ID - TW10-20190108
Sample Time - 18:45

Notes / Sample Information

Appearance at Start - **Slightly silty**
Appearance After Purging - **Clear**

Additional Sample - Field Duplicate
Additional Sample ID - TW10-DUP-20190108

Total Volume Purged - **21.0** liters
Purge Rate - **300-300** mL/min

DTW After Purging - **9.82** ft bTOC
DTW at Time of Sampling - **9.82** ft bTOC

Analyses - TCL VOCs (8260B);
TCL SVOCs (8270C/8270C + SIM);
Dissolved Organic Carbon (SM5310);
Dissolved Mn, Mg, Ca, Na, K (200.8);

Notes _____

RAMBOLL ENVIRON

Low Flow Groundwater Sampling Field Log

Monitoring Well - **TW-11**

ARE - 47-50 30th Street
New York, NY

Sampling Information

Date - **January 7, 2019**
Personnel - **M. Sweet**
Weather - **Cloudy, 30- 40 F**

Sampling Device - **Peristaltic Pump**
Water Quality Meter - **Horiba U-52**
Monitoring Equipment - **MiniRAE PID 3000**

Well Information

Well Vault PID - **NA** ppm
Well Casing PID - **16.0** ppm
Measured Depth to Bottom - **75.00** ft BTOC
Well Screened Zone - **0-10** ft BTOC

Well Diameter - **1.0** inch
Depth to Pump Intake - **10.0** ft BTOC
Static Depth to Water - **23.14** ft BTOC
Post-Pump Depth to Water - **23.10** ft BTOC
Well Volume - **2.12** gallons

Well Evacuation Data

Stabilization Criteria			± 0.1 SU	± 3 %	± 10 %	± 3 %	± 10 mV	± 10 %	0.3 ft	
Time	**Vol.** L	**Rate** mL/min	**pH** Std	**Cond.** ms/cm	**Turb.** NTU	**Temp.** C	**ORP** mV	**DO** mg/L	**DTW** ft	**Appearance or Comments**
17:00	--	*100*	7.10	2.290	78.9	12.67	-49	8.03	9.50	Turbid
17:05	1.0	*100*	7.03	2.280	70.4	12.76	-40	8.03	9.50	Turbid
17:10	1.5	*100*	7.06	2.290	58.2	12.49	-51	8.03	9.50	Turbid
17:15	2.0	*100*	6.86	2.290	48.6	12.65	-40	7.51	9.50	Turbid
17:20	2.5	*100*	6.83	2.090	30.3	12.98	-47	5.33	9.50	Turbid
17:25	3.0	*100*	6.89	2.320	16.0	12.68	-28	7.30	9.50	Cloudy
17:30	3.5	*100*	6.96	2.460	9.3	12.77	-40	7.02	10.00	Clear
17:35	4.0	*100*	6.95	2.420	5.7	12.84	-29	7.03	10.00	Clear
17:40	4.5	*100*	6.94	0.362	5.8	12.95	-27	6.97	10.00	Clear
17:45	5.0	*100*	6.93	0.362	5.6	12.91	-25	6.96	10.00	Clear
17:45	***SAMPLE***	100	6.93	0.362	5.6	12.91	-25	6.96	10.00	Clear

Sample ID - TW11-20190107
Sample Time - 17:50

Notes / Sample Information

Appearance at Start - **Turbid**
Appearance After Purging - **Clear**

Additional Sample - None
Additional Sample ID - N/A

Total Volume Purged - **5.5** liters
Purge Rate - **100-100** mL/min

DTW After Purging - **10.00** ft bTOC
DTW at Time of Sampling - **10.00** ft bTOC

Analyses - TCL/TAL + 30

Notes

APPENDIX E
SOIL VAPOR AND AIR SAMPLING FIELD LOG

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RAMBOLL

Soil Vapor Sampling Field

Site: ARE - 47-50 East 30th Street, Long Island City, New York

Personnel: M. Sweet, V. Sacks, C. Elias, B. Keegans

Equipment: MGD 2002 Helium Leak Detector, helium shroud

MiniRae 3000

Comments: Soil encoutnered at the site within the sampling interval consisted of historic fill, Silty SAND with gravel, moist. Groundwater measured at 10 to 14 ft bgs.
Soil vapor sample points were constructed using a disposable stainless steel screen and teflon tubing. The sample points were backfilled with inert filtration sand and sample points were sealed using bentonite clay. A helium shroud was used to check the surface seal prior to sampling.

Sample ID	Sample Type	Weather	Barometric Pressure (inHg)	Date/Time Initiated	Date/Time Collected	Canister Pressure Initial (Hg)	Canister Pressure Final (Hg)	Canister Volume (L)	Sample Depth (ft-bgs)	PID Reading (ppm)	Flow Controller Readout (mL/min)	Probe Volume (mL)	Volume Purged (mL)	Helium Detected
SV1-20190110	Soil Vapor	Cloudy, 28°F	29.93	1/10/19 20:28	1/10/19 22:43	-29.94	-5.00	2.7	6	6.3	18	63.3	190	<0.01%
SV2-20190109	Soil Vapor	Cloudy, ~40°F	29.65	1/9/19 17:37	1/9/19 19:49	-29.84	-5.00	2.7	6	40.0	18	63.3	190	<0.01%
SV3-20190109	Soil Vapor	Cloudy, ~40°F	29.65	1/9/19 22:11	1/9/19 0:22	-29.68	-4.90	2.7	6	6.2	18	63.3	190	<0.01%
SV6-20190107	Soil Vapor	Cloudy, 32°F	30.49	1/7/19 21:00	1/7/19 22:45	-29.8	-12.8	2.7	6	100.0	18	63.3	190	<0.01%
SV8-20190108	Soil Vapor	Cloudy, ~40°F	29.88	1/8/19 20:54	1/8/19 23:02	-29.82	-4.97	2.7	6	41.0	18	63.3	190	<0.01%
SV9-20190108	Soil Vapor	Cloudy, ~40°F	29.88	1/8/19 18:58	1/8/19 20:35	-29.75	-5.00	2.7	8	12.2	18	79.2	240	<0.01%
SV10-20190108	Soil Vapor	Cloudy, ~40°F	29.88	1/8/19 20:45	1/8/19 22:49	-28.84	-5.01	2.7	6	34.1	18	63.3	190	<0.01%
AA01-20190112	Ambient Air	Cloudy, ~30°F	30.58	1/12/19 10:15	1/13/19 9:20	-30.2	-4.77	6	-	0.0	3.3	-	-	-
IA1-20190112	Indoor Air	Cloudy, ~30°F	30.58	1/12/19 10:30	1/13/19 10:00	-30.5	-9.54	6	-	0.0	3.3	-	-	-
IA2-20190112	Indoor Air	Cloudy, ~30°F	30.58	1/12/19 10:35	1/13/19 9:25	-30.2	-4.09	6	-	0.0	3.3	-	-	-
IA4-20190112	Indoor Air	Cloudy, ~30°F	30.58	1/12/19 10:45	1/13/19 9:30	-30.45	-5.3	6	-	0.0	3.3	-	-	-
IA6-20190112	Indoor Air	Cloudy, ~30°F	30.58	1/12/19 10:55	1/13/19 9:40	-31.0	-7.23	6	-	0.0	3.3	-	-	-
IA10-20190112	Indoor Air	Cloudy, ~30°F	30.58	1/12/19 11:00	1/13/19 9:35	-30.82	-2.17	6	-	0.0	3.3	-	-	-

APPENDIX F
LABORATORY DATA DELIVERABLES

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ANALYTICAL REPORT

Lab Number:	L1900836
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH ST., LIC
Project Number:	1690010617-001
Report Date:	01/15/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1900836-01	TW11-20190107	WATER	47-50 30TH ST., LIC, NY 11101	01/07/19 17:50	01/08/19
L1900836-02	SB8A-SS01-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 19:10	01/08/19
L1900836-03	SB11-SS02-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 16:10	01/08/19
L1900836-04	SB11-SS01-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 15:37	01/08/19
L1900836-05	SB12-SS01-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 16:30	01/08/19
L1900836-06	SB6-SS01-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 19:35	01/08/19
L1900836-07	SB6-SS02-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 19:53	01/08/19
L1900836-08	SB8-SS01-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 18:00	01/08/19
L1900836-09	SB6-SS03-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 20:20	01/08/19
L1900836-10	SB12-SS02-20190107	SOIL	47-50 30TH ST., LIC, NY 11101	01/07/19 16:40	01/08/19

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1900836-09: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1900836-01: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1900836-03 through -07, -09 and -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1196064-2/-3 LCS/LCSD RPD (39%), associated with L1900836-03 through -07,-09, and -10, is above the acceptance criteria.

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: Cristin Walker

Title: Technical Director/Representative Date: 01/15/19

ORGANICS

VOLATILES

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/10/19 11:01
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01 Date Collected: 01/07/19 17:50

Client ID: TW11-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02
Client ID: SB8A-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 12:11
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02 Date Collected: 01/07/19 19:10

Client ID: SB8A-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	0.34	J	ug/kg	0.92	0.27	1
Xylenes, Total	0.34	J	ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	66		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.15	1
Isopropylbenzene	0.24	J	ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.59	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02 Date Collected: 01/07/19 19:10

Client ID: SB8A-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.96		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	2.2		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	5.9		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	92	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	5.0		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	7.52	J	ug/kg			1
Hexane, 2-methyl-	2.52	NJ	ug/kg			1
Hexane, 3-methyl-	2.91	NJ	ug/kg			1
Unknown Benzene	2.09	J	ug/kg			1

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

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 12:37
Analyst: JC
Percent Solids: 43%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	13	5.8	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.37	1
Chloroform	ND		ug/kg	3.8	0.35	1
Carbon tetrachloride	ND		ug/kg	2.5	0.58	1
1,2-Dichloropropane	ND		ug/kg	2.5	0.32	1
Dibromochloromethane	ND		ug/kg	2.5	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.68	1
Tetrachloroethene	ND		ug/kg	1.3	0.50	1
Chlorobenzene	ND		ug/kg	1.3	0.32	1
Trichlorofluoromethane	ND		ug/kg	10	1.8	1
1,2-Dichloroethane	ND		ug/kg	2.5	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.42	1
Bromodichloromethane	ND		ug/kg	1.3	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.69	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.40	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.40	1
1,1-Dichloropropene	ND		ug/kg	1.3	0.40	1
Bromoform	ND		ug/kg	10	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Benzene	ND		ug/kg	1.3	0.42	1
Toluene	ND		ug/kg	2.5	1.4	1
Ethylbenzene	ND		ug/kg	2.5	0.36	1
Chloromethane	ND		ug/kg	10	2.4	1
Bromomethane	ND		ug/kg	5.0	1.5	1
Vinyl chloride	ND		ug/kg	2.5	0.85	1
Chloroethane	ND		ug/kg	5.0	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.5	0.60	1
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.35	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03 Date Collected: 01/07/19 16:10

Client ID: SB11-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.3	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.37	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.43	1
Methyl tert butyl ether	ND		ug/kg	5.0	0.51	1
p/m-Xylene	ND		ug/kg	5.0	1.4	1
o-Xylene	ND		ug/kg	2.5	0.74	1
Xylenes, Total	ND		ug/kg	2.5	0.74	1
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.44	1
1,2-Dichloroethene, Total	ND		ug/kg	2.5	0.35	1
Dibromomethane	ND		ug/kg	5.0	0.60	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	25	2.3	1
Acetone	200		ug/kg	25	12.	1
Carbon disulfide	ND		ug/kg	25	12.	1
2-Butanone	39		ug/kg	25	5.6	1
Vinyl acetate	ND		ug/kg	25	5.4	1
4-Methyl-2-pentanone	ND		ug/kg	25	3.2	1
1,2,3-Trichloropropane	ND		ug/kg	5.0	0.32	1
2-Hexanone	ND		ug/kg	25	3.0	1
Bromochloromethane	ND		ug/kg	5.0	0.52	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.51	1
1,2-Dibromoethane	ND		ug/kg	2.5	0.70	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.42	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.33	1
Bromobenzene	ND		ug/kg	5.0	0.37	1
n-Butylbenzene	ND		ug/kg	2.5	0.42	1
sec-Butylbenzene	ND		ug/kg	2.5	0.37	1
tert-Butylbenzene	ND		ug/kg	5.0	0.30	1
o-Chlorotoluene	ND		ug/kg	5.0	0.48	1
p-Chlorotoluene	ND		ug/kg	5.0	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	2.5	1
Hexachlorobutadiene	ND		ug/kg	10	0.43	1
Isopropylbenzene	ND		ug/kg	2.5	0.28	1
p-Isopropyltoluene	ND		ug/kg	2.5	0.28	1
Naphthalene	ND		ug/kg	10	1.6	1
Acrylonitrile	ND		ug/kg	10	2.9	1

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.5	0.43	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.81	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.69	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.49	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.84	1
1,4-Dioxane	ND		ug/kg	250	89.	1
p-Diethylbenzene	ND		ug/kg	5.0	0.45	1
p-Ethyltoluene	ND		ug/kg	5.0	0.97	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.48	1
Ethyl ether	ND		ug/kg	5.0	0.86	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/19 11:37
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04 Date Collected: 01/07/19 15:37

Client ID: SB11-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	120	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1
Tentatively Identified Compounds						
Total TIC Compounds	2.51	J	ug/kg			1
Unknown	2.51	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	103		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/19 12:04
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	ND		ug/kg	0.79	0.31	1
Chlorobenzene	ND		ug/kg	0.79	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.3	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	0.26	1
Bromodichloromethane	ND		ug/kg	0.79	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.79	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.79	0.25	1
Bromoform	ND		ug/kg	6.3	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	0.26	1
Benzene	ND		ug/kg	0.79	0.26	1
Toluene	ND		ug/kg	1.6	0.86	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.3	1.5	1
Bromomethane	ND		ug/kg	3.2	0.92	1
Vinyl chloride	ND		ug/kg	1.6	0.53	1
Chloroethane	ND		ug/kg	3.2	0.72	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05 Date Collected: 01/07/19 16:30

Client ID: SB12-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.79	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.89	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.38	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	45		ug/kg	16	7.6	1
Carbon disulfide	ND		ug/kg	16	7.2	1
2-Butanone	ND		ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.20	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.26	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.30	1
p-Chlorotoluene	ND		ug/kg	3.2	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.27	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.3	1.0	1
Acrylonitrile	ND		ug/kg	6.3	1.8	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05 Date Collected: 01/07/19 16:30

Client ID: SB12-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.53	1
1,4-Dioxane	ND		ug/kg	160	56.	1
p-Diethylbenzene	ND		ug/kg	3.2	0.28	1
p-Ethyltoluene	ND		ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.2	0.30	1
Ethyl ether	ND		ug/kg	3.2	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	2.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 13:55
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	46		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Benzene	0.54	J	ug/kg	0.62	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06 Date Collected: 01/07/19 19:35

Client ID: SB6-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	45		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.14	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06 Date Collected: 01/07/19 19:35

Client ID: SB6-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.56	J	ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	1.3	J	ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	2.7		ug/kg	2.5	0.41	1
1,4-Dioxane	ND		ug/kg	120	43.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	2.7		ug/kg	2.5	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1
Tentatively Identified Compounds						
Total TIC Compounds	20.4	J	ug/kg			1
Hexane, 3-methyl-	9.59	NJ	ug/kg			1
Unknown	2.74	J	ug/kg			1
Hexane, 2-methyl-	8.06	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 14:21
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	52		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.20	1
Bromodichloromethane	ND		ug/kg	0.62	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Benzene	ND		ug/kg	0.62	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07 Date Collected: 01/07/19 19:53

Client ID: SB6-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	48		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.14	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07 Date Collected: 01/07/19 19:53

Client ID: SB6-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.51	J	ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.33	1
1,3,5-Trimethylbenzene	1.1	J	ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	2.7		ug/kg	2.5	0.41	1
1,4-Dioxane	ND		ug/kg	120	43.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	2.9		ug/kg	2.5	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.7	1
Tentatively Identified Compounds						
Total TIC Compounds	11.1	J	ug/kg			1
Hexane, 3-methyl-	6.02	NJ	ug/kg			1
Hexane, 2-methyl-	5.12	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08
Client ID: SB8-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 18:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 14:47
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08 Date Collected: 01/07/19 18:00

Client ID: SB8-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	0.87	J	ug/kg	0.96	0.28	1
Xylenes, Total	0.87	J	ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	93		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	0.48	J	ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.63	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08 Date Collected: 01/07/19 18:00

Client ID: SB8-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.9		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	3.8		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	9.7		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	96	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	9.8		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	21.1	J	ug/kg			1
Unknown	2.31	J	ug/kg			1
Unknown Benzene	3.68	J	ug/kg			1
Hexane, 2-methyl-	7.00	NJ	ug/kg			1
Hexane, 3-methyl-	8.13	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 08:43
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	610	280	1
1,1-Dichloroethane	ND		ug/kg	120	18.	1
Chloroform	ND		ug/kg	180	17.	1
Carbon tetrachloride	ND		ug/kg	120	28.	1
1,2-Dichloropropane	ND		ug/kg	120	15.	1
Dibromochloromethane	ND		ug/kg	120	17.	1
1,1,2-Trichloroethane	ND		ug/kg	120	33.	1
Tetrachloroethene	160		ug/kg	61	24.	1
Chlorobenzene	ND		ug/kg	61	16.	1
Trichlorofluoromethane	ND		ug/kg	490	85.	1
1,2-Dichloroethane	ND		ug/kg	120	32.	1
1,1,1-Trichloroethane	ND		ug/kg	61	20.	1
Bromodichloromethane	ND		ug/kg	61	13.	1
trans-1,3-Dichloropropene	ND		ug/kg	120	33.	1
cis-1,3-Dichloropropene	ND		ug/kg	61	19.	1
1,3-Dichloropropene, Total	ND		ug/kg	61	19.	1
1,1-Dichloropropene	ND		ug/kg	61	19.	1
Bromoform	ND		ug/kg	490	30.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	61	20.	1
Benzene	100		ug/kg	61	20.	1
Toluene	ND		ug/kg	120	66.	1
Ethylbenzene	20	J	ug/kg	120	17.	1
Chloromethane	ND		ug/kg	490	110	1
Bromomethane	ND		ug/kg	240	71.	1
Vinyl chloride	ND		ug/kg	120	41.	1
Chloroethane	ND		ug/kg	240	55.	1
1,1-Dichloroethene	ND		ug/kg	120	29.	1
trans-1,2-Dichloroethene	ND		ug/kg	180	17.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09 Date Collected: 01/07/19 20:20

Client ID: SB6-SS03-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	61	17.	1
1,2-Dichlorobenzene	ND		ug/kg	240	18.	1
1,3-Dichlorobenzene	ND		ug/kg	240	18.	1
1,4-Dichlorobenzene	ND		ug/kg	240	21.	1
Methyl tert butyl ether	ND		ug/kg	240	25.	1
p/m-Xylene	ND		ug/kg	240	69.	1
o-Xylene	ND		ug/kg	120	36.	1
Xylenes, Total	ND		ug/kg	120	36.	1
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	1
1,2-Dichloroethene, Total	ND		ug/kg	120	17.	1
Dibromomethane	ND		ug/kg	240	29.	1
Styrene	ND		ug/kg	120	24.	1
Dichlorodifluoromethane	ND		ug/kg	1200	110	1
Acetone	ND		ug/kg	1200	590	1
Carbon disulfide	ND		ug/kg	1200	560	1
2-Butanone	ND		ug/kg	1200	270	1
Vinyl acetate	ND		ug/kg	1200	260	1
4-Methyl-2-pentanone	ND		ug/kg	1200	160	1
1,2,3-Trichloropropane	ND		ug/kg	240	16.	1
2-Hexanone	ND		ug/kg	1200	140	1
Bromochloromethane	ND		ug/kg	240	25.	1
2,2-Dichloropropane	ND		ug/kg	240	25.	1
1,2-Dibromoethane	ND		ug/kg	120	34.	1
1,3-Dichloropropane	ND		ug/kg	240	20.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	61	16.	1
Bromobenzene	ND		ug/kg	240	18.	1
n-Butylbenzene	ND		ug/kg	120	20.	1
sec-Butylbenzene	ND		ug/kg	120	18.	1
tert-Butylbenzene	ND		ug/kg	240	14.	1
o-Chlorotoluene	ND		ug/kg	240	23.	1
p-Chlorotoluene	ND		ug/kg	240	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	120	1
Hexachlorobutadiene	ND		ug/kg	490	21.	1
Isopropylbenzene	ND		ug/kg	120	13.	1
p-Isopropyltoluene	ND		ug/kg	120	13.	1
Naphthalene	230	J	ug/kg	490	80.	1
Acrylonitrile	ND		ug/kg	490	140	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09 Date Collected: 01/07/19 20:20

Client ID: SB6-SS03-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	120	21.	1
1,2,3-Trichlorobenzene	ND		ug/kg	240	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	33.	1
1,3,5-Trimethylbenzene	ND		ug/kg	240	24.	1
1,2,4-Trimethylbenzene	50	J	ug/kg	240	41.	1
1,4-Dioxane	ND		ug/kg	12000	4300	1
p-Diethylbenzene	ND		ug/kg	240	22.	1
p-Ethyltoluene	ND		ug/kg	240	47.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	240	23.	1
Ethyl ether	ND		ug/kg	240	42.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	610	170	1
Tentatively Identified Compounds						
Total TIC Compounds	15100	J	ug/kg			1
Unknown Naphthalene	737	J	ug/kg			1
Heptane, 3-ethyl-2-methyl-	1170	NJ	ug/kg			1
trans-Decalin, 2-methyl-	1610	NJ	ug/kg			1
Unknown	1400	J	ug/kg			1
Unknown	743	J	ug/kg			1
Unknown	644	J	ug/kg			1
Unknown	818	J	ug/kg			1
Unknown	598	J	ug/kg			1
Unknown	694	J	ug/kg			1
Unknown	1530	J	ug/kg			1
Unknown	1530	J	ug/kg			1
Unknown	589	J	ug/kg			1
Unknown	1160	J	ug/kg			1
Unknown	581	J	ug/kg			1
Unknown Naphthalene	1270	J	ug/kg			1

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/19 15:13
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.83	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.83	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.83	0.10	1
Dibromochloromethane	ND		ug/kg	0.83	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	0.22	1
Tetrachloroethene	0.39	J	ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.83	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.83	0.45	1
Ethylbenzene	ND		ug/kg	0.83	0.12	1
Chloromethane	ND		ug/kg	3.3	0.77	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.83	0.28	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.83	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10 Date Collected: 01/07/19 16:40

Client ID: SB12-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.17	1
p/m-Xylene	ND		ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.83	0.24	1
Xylenes, Total	ND		ug/kg	0.83	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.20	1
Styrene	ND		ug/kg	0.83	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.3	0.76	1
Acetone	ND		ug/kg	8.3	4.0	1
Carbon disulfide	ND		ug/kg	8.3	3.8	1
2-Butanone	ND		ug/kg	8.3	1.8	1
Vinyl acetate	ND		ug/kg	8.3	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.3	0.98	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.83	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.83	0.14	1
sec-Butylbenzene	ND		ug/kg	0.83	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.82	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.83	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.83	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
Acrylonitrile	ND		ug/kg	3.3	0.95	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10 Date Collected: 01/07/19 16:40

Client ID: SB12-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.83	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.28	1
1,4-Dioxane	ND		ug/kg	83	29.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.15	1
p-Ethyltoluene	ND		ug/kg	1.6	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.16	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.1	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	1.81	J	ug/kg			1
Unknown	1.81	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 09:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1196496-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 09:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1196496-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 09:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1196496-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 09:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1196496-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1196766-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1196766-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1196766-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1196766-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	93		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,06-08,10 Batch: WG1196814-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,06-08,10 Batch: WG1196814-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,06-08,10 Batch: WG1196814-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/11/19 07:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,06-08,10 Batch: WG1196814-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	93		70-130

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/12/19 09:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1197088-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/12/19 09:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1197088-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/12/19 09:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1197088-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.05	J	ug/kg
Unknown	2.05	J	ug/kg

Project Name: 47-50 30TH ST., LIC
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Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/12/19 09:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1197088-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1196496-3 WG1196496-4								
Methylene chloride	97		94		70-130	3		20
1,1-Dichloroethane	98		95		70-130	3		20
Chloroform	96		94		70-130	2		20
Carbon tetrachloride	77		74		63-132	4		20
1,2-Dichloropropane	99		97		70-130	2		20
Dibromochloromethane	99		98		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	85		80		70-130	6		20
Chlorobenzene	99		96		75-130	3		20
Trichlorofluoromethane	74		70		62-150	6		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	86		83		67-130	4		20
Bromodichloromethane	98		94		67-130	4		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	97		95		70-130	2		20
1,1-Dichloropropene	83		82		70-130	1		20
Bromoform	100		98		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	91		90		70-130	1		20
Toluene	100		98		70-130	2		20
Ethylbenzene	94		91		70-130	3		20
Chloromethane	74		75		64-130	1		20
Bromomethane	84		80		39-139	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1196496-3 WG1196496-4								
Vinyl chloride	75		72		55-140	4		20
Chloroethane	91		90		55-138	1		20
1,1-Dichloroethene	84		83		61-145	1		20
trans-1,2-Dichloroethene	91		89		70-130	2		20
Trichloroethene	93		92		70-130	1		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	100		99		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		94		70-130	3		20
Dibromomethane	98		95		70-130	3		20
1,2,3-Trichloropropane	120		110		64-130	9		20
Acrylonitrile	120		120		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	52		49		36-147	6		20
Acetone	120		120		58-148	0		20
Carbon disulfide	91		88		51-130	3		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	120		110		70-130	9		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	98		95		57-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1196496-3 WG1196496-4								
Bromochloromethane	96		98		70-130	2		20
2,2-Dichloropropane	97		94		63-133	3		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	100		98		64-130	2		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	84		82		53-136	2		20
sec-Butylbenzene	86		82		70-130	5		20
tert-Butylbenzene	75		72		70-130	4		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	100		99		41-144	1		20
Hexachlorobutadiene	68		63		63-130	8		20
Isopropylbenzene	98		92		70-130	6		20
p-Isopropyltoluene	84		83		70-130	1		20
Naphthalene	74		74		70-130	0		20
n-Propylbenzene	96		91		69-130	5		20
1,2,3-Trichlorobenzene	75		77		70-130	3		20
1,2,4-Trichlorobenzene	80		78		70-130	3		20
1,3,5-Trimethylbenzene	100		95		64-130	5		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	158		154		56-162	3		20
p-Diethylbenzene	82		81		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1196496-3 WG1196496-4								
p-Ethyltoluene	100		95		70-130	5		20
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	88		88		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1196766-3 WG1196766-4								
Methylene chloride	103		101		70-130	2		30
1,1-Dichloroethane	109		109		70-130	0		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	98		97		70-130	1		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		104		70-130	5		30
1,1,2-Trichloroethane	111		110		70-130	1		30
Tetrachloroethene	104		105		70-130	1		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	98		98		70-139	0		30
1,2-Dichloroethane	88		88		70-130	0		30
1,1,1-Trichloroethane	101		101		70-130	0		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	107		109		70-130	2		30
cis-1,3-Dichloropropene	107		107		70-130	0		30
1,1-Dichloropropene	107		107		70-130	0		30
Bromoform	99		104		70-130	5		30
1,1,2,2-Tetrachloroethane	110		115		70-130	4		30
Benzene	109		107		70-130	2		30
Toluene	110		111		70-130	1		30
Ethylbenzene	112		112		70-130	0		30
Chloromethane	125		117		52-130	7		30
Bromomethane	129		127		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1196766-3 WG1196766-4								
Vinyl chloride	130		125		67-130	4		30
Chloroethane	119		116		50-151	3		30
1,1-Dichloroethene	112		110		65-135	2		30
trans-1,2-Dichloroethene	111		108		70-130	3		30
Trichloroethene	105		107		70-130	2		30
1,2-Dichlorobenzene	105		107		70-130	2		30
1,3-Dichlorobenzene	110		109		70-130	1		30
1,4-Dichlorobenzene	107		108		70-130	1		30
Methyl tert butyl ether	101		103		66-130	2		30
p/m-Xylene	109		110		70-130	1		30
o-Xylene	106		106		70-130	0		30
cis-1,2-Dichloroethene	108		106		70-130	2		30
Dibromomethane	93		96		70-130	3		30
Styrene	107		108		70-130	1		30
Dichlorodifluoromethane	105		107		30-146	2		30
Acetone	112		111		54-140	1		30
Carbon disulfide	110		108		59-130	2		30
2-Butanone	107		110		70-130	3		30
Vinyl acetate	105		106		70-130	1		30
4-Methyl-2-pentanone	101		106		70-130	5		30
1,2,3-Trichloropropane	108		110		68-130	2		30
2-Hexanone	101		111		70-130	9		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1196766-3 WG1196766-4								
2,2-Dichloropropane	107		106		70-130	1		30
1,2-Dibromoethane	106		108		70-130	2		30
1,3-Dichloropropane	105		108		69-130	3		30
1,1,1,2-Tetrachloroethane	103		104		70-130	1		30
Bromobenzene	107		109		70-130	2		30
n-Butylbenzene	120		120		70-130	0		30
sec-Butylbenzene	120		119		70-130	1		30
tert-Butylbenzene	115		114		70-130	1		30
o-Chlorotoluene	112		114		70-130	2		30
p-Chlorotoluene	115		114		70-130	1		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Hexachlorobutadiene	109		115		67-130	5		30
Isopropylbenzene	119		116		70-130	3		30
p-Isopropyltoluene	116		117		70-130	1		30
Naphthalene	102		106		70-130	4		30
Acrylonitrile	105		107		70-130	2		30
n-Propylbenzene	119		120		70-130	1		30
1,2,3-Trichlorobenzene	103		108		70-130	5		30
1,2,4-Trichlorobenzene	109		110		70-130	1		30
1,3,5-Trimethylbenzene	115		116		70-130	1		30
1,2,4-Trimethylbenzene	115		116		70-130	1		30
1,4-Dioxane	99		99		65-136	0		30
p-Diethylbenzene	118		116		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1196766-3 WG1196766-4								
p-Ethyltoluene	118		118		70-130	0		30
1,2,4,5-Tetramethylbenzene	113		114		70-130	1		30
Ethyl ether	105		106		67-130	1		30
trans-1,4-Dichloro-2-butene	101		100		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,06-08,10 Batch: WG1196814-3 WG1196814-4								
Methylene chloride	103		101		70-130	2		30
1,1-Dichloroethane	109		109		70-130	0		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	98		97		70-130	1		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	99		104		70-130	5		30
1,1,2-Trichloroethane	111		110		70-130	1		30
Tetrachloroethene	104		105		70-130	1		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	98		98		70-139	0		30
1,2-Dichloroethane	88		88		70-130	0		30
1,1,1-Trichloroethane	101		101		70-130	0		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	107		109		70-130	2		30
cis-1,3-Dichloropropene	107		107		70-130	0		30
1,1-Dichloropropene	107		107		70-130	0		30
Bromoform	99		104		70-130	5		30
1,1,2,2-Tetrachloroethane	110		115		70-130	4		30
Benzene	109		107		70-130	2		30
Toluene	110		111		70-130	1		30
Ethylbenzene	112		112		70-130	0		30
Chloromethane	125		117		52-130	7		30
Bromomethane	129		127		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,06-08,10 Batch: WG1196814-3 WG1196814-4								
Vinyl chloride	130		125		67-130	4		30
Chloroethane	119		116		50-151	3		30
1,1-Dichloroethene	112		110		65-135	2		30
trans-1,2-Dichloroethene	111		108		70-130	3		30
Trichloroethene	105		107		70-130	2		30
1,2-Dichlorobenzene	105		107		70-130	2		30
1,3-Dichlorobenzene	110		109		70-130	1		30
1,4-Dichlorobenzene	107		108		70-130	1		30
Methyl tert butyl ether	101		103		66-130	2		30
p/m-Xylene	109		110		70-130	1		30
o-Xylene	106		106		70-130	0		30
cis-1,2-Dichloroethene	108		106		70-130	2		30
Dibromomethane	93		96		70-130	3		30
Styrene	107		108		70-130	1		30
Dichlorodifluoromethane	105		107		30-146	2		30
Acetone	112		111		54-140	1		30
Carbon disulfide	110		108		59-130	2		30
2-Butanone	107		110		70-130	3		30
Vinyl acetate	105		106		70-130	1		30
4-Methyl-2-pentanone	101		106		70-130	5		30
1,2,3-Trichloropropane	108		110		68-130	2		30
2-Hexanone	101		111		70-130	9		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,06-08,10 Batch: WG1196814-3 WG1196814-4								
2,2-Dichloropropane	107		106		70-130	1		30
1,2-Dibromoethane	106		108		70-130	2		30
1,3-Dichloropropane	105		108		69-130	3		30
1,1,1,2-Tetrachloroethane	103		104		70-130	1		30
Bromobenzene	107		109		70-130	2		30
n-Butylbenzene	120		120		70-130	0		30
sec-Butylbenzene	120		119		70-130	1		30
tert-Butylbenzene	115		114		70-130	1		30
o-Chlorotoluene	112		114		70-130	2		30
p-Chlorotoluene	115		114		70-130	1		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Hexachlorobutadiene	109		115		67-130	5		30
Isopropylbenzene	119		116		70-130	3		30
p-Isopropyltoluene	116		117		70-130	1		30
Naphthalene	102		106		70-130	4		30
Acrylonitrile	105		107		70-130	2		30
n-Propylbenzene	119		120		70-130	1		30
1,2,3-Trichlorobenzene	103		108		70-130	5		30
1,2,4-Trichlorobenzene	109		110		70-130	1		30
1,3,5-Trimethylbenzene	115		116		70-130	1		30
1,2,4-Trimethylbenzene	115		116		70-130	1		30
1,4-Dioxane	99		99		65-136	0		30
p-Diethylbenzene	118		116		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,06-08,10 Batch: WG1196814-3 WG1196814-4								
p-Ethyltoluene	118		118		70-130	0		30
1,2,4,5-Tetramethylbenzene	113		114		70-130	1		30
Ethyl ether	105		106		67-130	1		30
trans-1,4-Dichloro-2-butene	101		100		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1197088-3 WG1197088-4								
Methylene chloride	98		100		70-130	2		30
1,1-Dichloroethane	107		107		70-130	0		30
Chloroform	101		104		70-130	3		30
Carbon tetrachloride	104		106		70-130	2		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	99		102		70-130	3		30
1,1,2-Trichloroethane	103		105		70-130	2		30
Tetrachloroethene	103		103		70-130	0		30
Chlorobenzene	104		102		70-130	2		30
Trichlorofluoromethane	102		103		70-139	1		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	104		105		70-130	1		30
Bromodichloromethane	101		104		70-130	3		30
trans-1,3-Dichloropropene	106		105		70-130	1		30
cis-1,3-Dichloropropene	105		104		70-130	1		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	100		101		70-130	1		30
1,1,2,2-Tetrachloroethane	106		104		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	106		104		70-130	2		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	120		116		52-130	3		30
Bromomethane	120		121		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1197088-3 WG1197088-4								
Vinyl chloride	121		124		67-130	2		30
Chloroethane	104		104		50-151	0		30
1,1-Dichloroethene	104		108		65-135	4		30
trans-1,2-Dichloroethene	104		107		70-130	3		30
Trichloroethene	101		105		70-130	4		30
1,2-Dichlorobenzene	103		103		70-130	0		30
1,3-Dichlorobenzene	105		104		70-130	1		30
1,4-Dichlorobenzene	106		103		70-130	3		30
Methyl tert butyl ether	102		104		66-130	2		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	95		98		70-130	3		30
Styrene	104		102		70-130	2		30
Dichlorodifluoromethane	114		112		30-146	2		30
Acetone	105		114		54-140	8		30
Carbon disulfide	103		104		59-130	1		30
2-Butanone	104		103		70-130	1		30
Vinyl acetate	106		107		70-130	1		30
4-Methyl-2-pentanone	95		93		70-130	2		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	106		98		70-130	8		30
Bromochloromethane	96		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1197088-3 WG1197088-4								
2,2-Dichloropropane	108		110		70-130	2		30
1,2-Dibromoethane	103		102		70-130	1		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	103		103		70-130	0		30
Bromobenzene	107		103		70-130	4		30
n-Butylbenzene	115		113		70-130	2		30
sec-Butylbenzene	114		113		70-130	1		30
tert-Butylbenzene	111		108		70-130	3		30
o-Chlorotoluene	109		107		70-130	2		30
p-Chlorotoluene	110		107		70-130	3		30
1,2-Dibromo-3-chloropropane	93		98		68-130	5		30
Hexachlorobutadiene	113		111		67-130	2		30
Isopropylbenzene	113		110		70-130	3		30
p-Isopropyltoluene	112		110		70-130	2		30
Naphthalene	100		103		70-130	3		30
Acrylonitrile	98		97		70-130	1		30
n-Propylbenzene	114		112		70-130	2		30
1,2,3-Trichlorobenzene	101		105		70-130	4		30
1,2,4-Trichlorobenzene	104		107		70-130	3		30
1,3,5-Trimethylbenzene	112		109		70-130	3		30
1,2,4-Trimethylbenzene	112		110		70-130	2		30
1,4-Dioxane	100		98		65-136	2		30
p-Diethylbenzene	112		111		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1197088-3 WG1197088-4								
p-Ethyltoluene	112		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	108		108		70-130	0		30
Ethyl ether	101		102		67-130	1		30
trans-1,4-Dichloro-2-butene	106		103		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	108		104		70-130
Dibromofluoromethane	94		98		70-130

SEMIVOLATILES

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/15/19 12:55
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	9.8	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	3.9	0.99	1
1,2-Dichlorobenzene	ND		ug/l	3.9	0.89	1
1,3-Dichlorobenzene	ND		ug/l	3.9	0.79	1
1,4-Dichlorobenzene	ND		ug/l	3.9	0.85	1
3,3'-Dichlorobenzidine	ND		ug/l	9.8	3.2	1
2,4-Dinitrotoluene	ND		ug/l	9.8	2.3	1
2,6-Dinitrotoluene	ND		ug/l	9.8	1.8	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.9	0.96	1
4-Bromophenyl phenyl ether	ND		ug/l	3.9	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.9	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	9.8	0.98	1
Hexachlorocyclopentadiene	ND		ug/l	39	1.4	1
Isophorone	ND		ug/l	9.8	2.4	1
Nitrobenzene	ND		ug/l	3.9	1.5	1
NDPA/DPA	ND		ug/l	3.9	0.82	1
n-Nitrosodi-n-propylamine	ND		ug/l	9.8	1.3	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.9	3.0	1
Butyl benzyl phthalate	ND		ug/l	9.8	2.3	1
Di-n-butylphthalate	ND		ug/l	9.8	0.76	1
Di-n-octylphthalate	ND		ug/l	9.8	2.5	1
Diethyl phthalate	ND		ug/l	9.8	0.75	1
Dimethyl phthalate	ND		ug/l	9.8	3.6	1
Biphenyl	ND		ug/l	3.9	0.90	1
4-Chloroaniline	ND		ug/l	9.8	2.1	1
2-Nitroaniline	ND		ug/l	9.8	0.98	1
3-Nitroaniline	ND		ug/l	9.8	1.6	1
4-Nitroaniline	ND		ug/l	9.8	1.6	1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	3.9	0.98	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	20	0.86	1
Acetophenone	ND		ug/l	9.8	1.0	1
2,4,6-Trichlorophenol	ND		ug/l	9.8	1.2	1
p-Chloro-m-cresol	ND		ug/l	3.9	0.69	1
2-Chlorophenol	ND		ug/l	3.9	0.94	1
2,4-Dichlorophenol	ND		ug/l	9.8	0.81	1
2,4-Dimethylphenol	ND		ug/l	9.8	3.5	1
2-Nitrophenol	ND		ug/l	20	1.7	1
4-Nitrophenol	ND		ug/l	20	1.3	1
2,4-Dinitrophenol	ND		ug/l	39	13.	1
4,6-Dinitro-o-cresol	ND		ug/l	20	3.6	1
Phenol	ND		ug/l	9.8	1.1	1
2-Methylphenol	ND		ug/l	9.8	0.96	1
3-Methylphenol/4-Methylphenol	ND		ug/l	9.8	0.94	1
2,4,5-Trichlorophenol	ND		ug/l	9.8	1.5	1
Benzoic Acid	ND		ug/l	98	5.2	1
Benzyl Alcohol	ND		ug/l	3.9	1.2	1
Carbazole	ND		ug/l	3.9	0.96	1

Tentatively Identified Compounds						
Total TIC Compounds	75.2	J	ug/l			1
Unknown	3.21	J	ug/l			1
Unknown	3.64	J	ug/l			1
Unknown	4.43	J	ug/l			1
Aldol Condensates	56.8	J	ug/l			1
Unknown	3.64	J	ug/l			1
Cyclic Octaatomic Sulfur	3.43	NJ	ug/l			1

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	63		41-149

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/11/19 15:50
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/09/19 07:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.20		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.17		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.45		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.12		ug/l	0.10	0.01	1
Phenanthrene	0.10		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.16		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	33		10-120
4-Terphenyl-d14	83		41-149

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02
Client ID: SB8A-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 21:20
Analyst: RC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	4400		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	320		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	86	J	ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02 Date Collected: 01/07/19 19:10

Client ID: SB8A-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2500		ug/kg	110	21.	1
Benzo(a)pyrene	2400		ug/kg	150	45.	1
Benzo(b)fluoranthene	3000		ug/kg	110	31.	1
Benzo(k)fluoranthene	990		ug/kg	110	29.	1
Chrysene	2200		ug/kg	110	19.	1
Acenaphthylene	300		ug/kg	150	28.	1
Anthracene	920		ug/kg	110	36.	1
Benzo(ghi)perylene	1500		ug/kg	150	22.	1
Fluorene	290		ug/kg	180	18.	1
Phenanthrene	3400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	360		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	26.	1
Pyrene	4200		ug/kg	110	18.	1
Biphenyl	56	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	250		ug/kg	180	17.	1
2-Methylnaphthalene	220		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02 Date Collected: 01/07/19 19:10

Client ID: SB8A-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	390		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	12100	J	ug/kg			1
Unknown	548	J	ug/kg			1
Unknown	1440	J	ug/kg			1
Unknown	2540	J	ug/kg			1
Unknown PAH	409	J	ug/kg			1
Unknown	436	J	ug/kg			1
Unknown	604	J	ug/kg			1
Unknown	766	J	ug/kg			1
Unknown	770	J	ug/kg			1
Unknown	814	J	ug/kg			1
Unknown PAH	472	J	ug/kg			1
Unknown	330	J	ug/kg			1
Unknown PAH	682	J	ug/kg			1
Unknown PAH	1470	J	ug/kg			1
Unknown Ketone	310	J	ug/kg			1
Unknown	479	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	91		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 20:02
Analyst: RC
Percent Solids: 43%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	310	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	380	44.	1
Hexachlorobenzene	ND		ug/kg	230	43.	1
Bis(2-chloroethyl)ether	ND		ug/kg	340	52.	1
2-Chloronaphthalene	ND		ug/kg	380	38.	1
1,2-Dichlorobenzene	ND		ug/kg	380	69.	1
1,3-Dichlorobenzene	ND		ug/kg	380	66.	1
1,4-Dichlorobenzene	ND		ug/kg	380	67.	1
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	1
2,4-Dinitrotoluene	ND		ug/kg	380	76.	1
2,6-Dinitrotoluene	ND		ug/kg	380	66.	1
Fluoranthene	ND		ug/kg	230	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	41.	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	58.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	410	38.	1
Hexachlorobutadiene	ND		ug/kg	380	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	1100	350	1
Hexachloroethane	ND		ug/kg	310	62.	1
Isophorone	ND		ug/kg	340	50.	1
Naphthalene	ND		ug/kg	380	46.	1
Nitrobenzene	ND		ug/kg	340	57.	1
NDPA/DPA	ND		ug/kg	310	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	130	1
Butyl benzyl phthalate	ND		ug/kg	380	96.	1
Di-n-butylphthalate	ND		ug/kg	380	72.	1
Di-n-octylphthalate	ND		ug/kg	380	130	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03 Date Collected: 01/07/19 16:10

Client ID: SB11-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	380	35.	1
Dimethyl phthalate	ND		ug/kg	380	80.	1
Benzo(a)anthracene	ND		ug/kg	230	43.	1
Benzo(a)pyrene	ND		ug/kg	310	93.	1
Benzo(b)fluoranthene	ND		ug/kg	230	64.	1
Benzo(k)fluoranthene	ND		ug/kg	230	61.	1
Chrysene	ND		ug/kg	230	40.	1
Acenaphthylene	ND		ug/kg	310	59.	1
Anthracene	ND		ug/kg	230	74.	1
Benzo(ghi)perylene	ND		ug/kg	310	45.	1
Fluorene	ND		ug/kg	380	37.	1
Phenanthrene	ND		ug/kg	230	46.	1
Dibenzo(a,h)anthracene	ND		ug/kg	230	44.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	310	53.	1
Pyrene	ND		ug/kg	230	38.	1
Biphenyl	ND		ug/kg	870	89.	1
4-Chloroaniline	ND		ug/kg	380	70.	1
2-Nitroaniline	ND		ug/kg	380	74.	1
3-Nitroaniline	ND		ug/kg	380	72.	1
4-Nitroaniline	ND		ug/kg	380	160	1
Dibenzofuran	ND		ug/kg	380	36.	1
2-Methylnaphthalene	ND		ug/kg	460	46.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	40.	1
Acetophenone	ND		ug/kg	380	47.	1
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	1
p-Chloro-m-cresol	ND		ug/kg	380	57.	1
2-Chlorophenol	ND		ug/kg	380	45.	1
2,4-Dichlorophenol	ND		ug/kg	340	62.	1
2,4-Dimethylphenol	ND		ug/kg	380	130	1
2-Nitrophenol	ND		ug/kg	830	140	1
4-Nitrophenol	ND		ug/kg	540	160	1
2,4-Dinitrophenol	ND		ug/kg	1800	180	1
4,6-Dinitro-o-cresol	ND		ug/kg	990	180	1
Pentachlorophenol	ND		ug/kg	310	84.	1
Phenol	ND		ug/kg	380	58.	1
2-Methylphenol	ND		ug/kg	380	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	60.	1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	380	73.	1
Benzoic Acid	ND		ug/kg	1200	390	1
Benzyl Alcohol	ND		ug/kg	380	120	1
Carbazole	ND		ug/kg	380	37.	1
Tentatively Identified Compounds						
Total TIC Compounds	2740	J	ug/kg			1
Unknown	683	J	ug/kg			1
Unknown	389	J	ug/kg			1
Unknown	1330	J	ug/kg			1
Unknown	333	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	70		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 21:47
Analyst: RC
Percent Solids: 85%
Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	670		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	130	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	10000	E	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	68	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04 Date Collected: 01/07/19 15:37

Client ID: SB11-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	430		ug/kg	120	22.	1
Benzo(a)pyrene	490		ug/kg	150	47.	1
Benzo(b)fluoranthene	960		ug/kg	120	32.	1
Benzo(k)fluoranthene	260		ug/kg	120	31.	1
Chrysene	580		ug/kg	120	20.	1
Acenaphthylene	220		ug/kg	150	30.	1
Anthracene	260		ug/kg	120	38.	1
Benzo(ghi)perylene	360		ug/kg	150	23.	1
Fluorene	31	J	ug/kg	190	19.	1
Phenanthrene	320		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	95	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	340		ug/kg	150	27.	1
Pyrene	630		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	47	J	ug/kg	190	18.	1
2-Methylnaphthalene	91	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	33	J	ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04 Date Collected: 01/07/19 15:37

Client ID: SB11-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	93	J	ug/kg	190	19.	1
Tentatively Identified Compounds						
Total TIC Compounds	1560	J	ug/kg			1
Unknown PAH	180	J	ug/kg			1
Unknown	159	J	ug/kg			1
Unknown	192	J	ug/kg			1
Unknown	183	J	ug/kg			1
Unknown PAH	440	J	ug/kg			1
Unknown PAH	200	J	ug/kg			1
Unknown	202	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	79		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04 D
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 15:56
Analyst: ALS
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	9800		ug/kg	380	130	2

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 22:13
Analyst: RC
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	85	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	2200		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	390		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	720		ug/kg	200	69.	1
Butyl benzyl phthalate	120	J	ug/kg	200	50.	1
Di-n-butylphthalate	56	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05 Date Collected: 01/07/19 16:30

Client ID: SB12-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	44	J	ug/kg	200	42.	1
Benzo(a)anthracene	1500		ug/kg	120	22.	1
Benzo(a)pyrene	1400		ug/kg	160	49.	1
Benzo(b)fluoranthene	2700		ug/kg	120	34.	1
Benzo(k)fluoranthene	720		ug/kg	120	32.	1
Chrysene	1500		ug/kg	120	21.	1
Acenaphthylene	170		ug/kg	160	31.	1
Anthracene	360		ug/kg	120	39.	1
Benzo(ghi)perylene	1000		ug/kg	160	24.	1
Fluorene	87	J	ug/kg	200	19.	1
Phenanthrene	1100		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	280		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	160	28.	1
Pyrene	2200		ug/kg	120	20.	1
Biphenyl	70	J	ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	130	J	ug/kg	200	19.	1
2-Methylnaphthalene	450		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	110	J	ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	31	J	ug/kg	290	31.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05 Date Collected: 01/07/19 16:30

Client ID: SB12-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	220		ug/kg	200	19.	1
Tentatively Identified Compounds						
Total TIC Compounds	5100	J	ug/kg			1
Unknown PAH	382	J	ug/kg			1
Unknown	354	J	ug/kg			1
Unknown PAH	1290	J	ug/kg			1
Unknown	222	J	ug/kg			1
Unknown	254	J	ug/kg			1
Unknown	266	J	ug/kg			1
Unknown	221	J	ug/kg			1
Unknown Naphthalene	328	J	ug/kg			1
Unknown PAH	307	J	ug/kg			1
Unknown	247	J	ug/kg			1
Unknown Alkane	223	J	ug/kg			1
Unknown PAH	260	J	ug/kg			1
Unknown Naphthalene	253	J	ug/kg			1
Unknown	266	J	ug/kg			1
Unknown	226	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	74		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 22:40
Analyst: RC
Percent Solids: 93%
Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	4200		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	120	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06 Date Collected: 01/07/19 19:35

Client ID: SB6-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	3200		ug/kg	110	20.	1
Benzo(a)pyrene	3100		ug/kg	140	44.	1
Benzo(b)fluoranthene	3900		ug/kg	110	30.	1
Benzo(k)fluoranthene	1200		ug/kg	110	28.	1
Chrysene	2800		ug/kg	110	18.	1
Acenaphthylene	170		ug/kg	140	28.	1
Anthracene	730		ug/kg	110	35.	1
Benzo(ghi)perylene	1700		ug/kg	140	21.	1
Fluorene	210		ug/kg	180	17.	1
Phenanthrene	1900		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	500		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	140	25.	1
Pyrene	4200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	110	J	ug/kg	180	17.	1
2-Methylnaphthalene	60	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06 Date Collected: 01/07/19 19:35

Client ID: SB6-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	330		ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	9360	J	ug/kg			1
Tetrachloroethene	859	NJ	ug/kg			1
Unknown	886	J	ug/kg			1
Unknown PAH	294	J	ug/kg			1
Unknown	355	J	ug/kg			1
Unknown PAH	293	J	ug/kg			1
Unknown PAH	350	J	ug/kg			1
Unknown	436	J	ug/kg			1
Unknown PAH	955	J	ug/kg			1
Unknown	271	J	ug/kg			1
Unknown	639	J	ug/kg			1
Unknown PAH	1800	J	ug/kg			1
Unknown PAH	382	J	ug/kg			1
Unknown PAH	436	J	ug/kg			1
Unknown PAH	816	J	ug/kg			1
Unknown PAH	590	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	97		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 20:28
Analyst: RC
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	42	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07 Date Collected: 01/07/19 19:53

Client ID: SB6-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	28	J	ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	43	J	ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07 Date Collected: 01/07/19 19:53

Client ID: SB6-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	ND		ug/kg	220	21.	1
Tentatively Identified Compounds						
Total TIC Compounds	196	J	ug/kg			1
Tetrachloroethene	196	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	106		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	88		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08
Client ID: SB8-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 18:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 23:07
Analyst: RC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	71	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	1600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08 Date Collected: 01/07/19 18:00

Client ID: SB8-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	930		ug/kg	110	21.	1
Benzo(a)pyrene	940		ug/kg	150	45.	1
Benzo(b)fluoranthene	1200		ug/kg	110	31.	1
Benzo(k)fluoranthene	410		ug/kg	110	30.	1
Chrysene	950		ug/kg	110	19.	1
Acenaphthylene	120	J	ug/kg	150	28.	1
Anthracene	240		ug/kg	110	36.	1
Benzo(ghi)perylene	660		ug/kg	150	22.	1
Fluorene	60	J	ug/kg	180	18.	1
Phenanthrene	1100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	760		ug/kg	150	26.	1
Pyrene	1500		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	64	J	ug/kg	180	17.	1
2-Methylnaphthalene	73	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	26	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08 Date Collected: 01/07/19 18:00

Client ID: SB8-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	110	J	ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	6500	J	ug/kg			1
Unknown PAH	242	J	ug/kg			1
Unknown	1600	J	ug/kg			1
Unknown PAH	844	J	ug/kg			1
Unknown	228	J	ug/kg			1
Unknown	238	J	ug/kg			1
Unknown	225	J	ug/kg			1
Unknown	251	J	ug/kg			1
Unknown	254	J	ug/kg			1
Unknown	311	J	ug/kg			1
Unknown	313	J	ug/kg			1
Unknown	748	J	ug/kg			1
Unknown PAH	298	J	ug/kg			1
Unknown	382	J	ug/kg			1
Unknown	233	J	ug/kg			1
Unknown Organic Acid	333	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	49		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 23:33
Analyst: RC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	170		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	590		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	160	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09 Date Collected: 01/07/19 20:20

Client ID: SB6-SS03-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	290		ug/kg	120	23.	1
Benzo(a)pyrene	280		ug/kg	160	50.	1
Benzo(b)fluoranthene	330		ug/kg	120	35.	1
Benzo(k)fluoranthene	84	J	ug/kg	120	33.	1
Chrysene	290		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	91	J	ug/kg	120	40.	1
Benzo(ghi)perylene	160		ug/kg	160	24.	1
Fluorene	64	J	ug/kg	210	20.	1
Phenanthrene	210		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	29.	1
Pyrene	620		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	48	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	120	J	ug/kg	300	32.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09 Date Collected: 01/07/19 20:20

Client ID: SB6-SS03-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	26	J	ug/kg	210	20.	1
Tentatively Identified Compounds						
Total TIC Compounds	2250	J	ug/kg			1
Unknown Alkane	183	J	ug/kg			1
Unknown	194	J	ug/kg			1
Unknown Alcohol	198	J	ug/kg			1
Unknown PAH	174	J	ug/kg			1
Unknown	188	J	ug/kg			1
Unknown	189	J	ug/kg			1
Unknown	321	J	ug/kg			1
Unknown	204	J	ug/kg			1
Unknown Alkane	189	J	ug/kg			1
Unknown	202	J	ug/kg			1
Unknown	212	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	64		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/13/19 20:54
Analyst: RC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10 Date Collected: 01/07/19 16:40

Client ID: SB12-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10 Date Collected: 01/07/19 16:40

Client ID: SB12-SS02-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	638	J	ug/kg			1
Unknown	163	J	ug/kg			1
Unknown Alkene	249	J	ug/kg			1
Unknown	226	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	84		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/09/19 14:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/08/19 10:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1195689-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/09/19 14:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/08/19 10:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1195689-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	91		41-149

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/10/19 08:14
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 01/09/19 13:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-10 Batch: WG1196085-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/10/19 08:14
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 01/09/19 13:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-10 Batch: WG1196085-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	37.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/10/19 08:14
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 01/09/19 13:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-10 Batch: WG1196085-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	90		18-120

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1197576-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1197576-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1197576-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49
Tentatively Identified Compounds					
Total TIC Compounds	56.4	J	ug/l		
Aldol Condensates	48.0	J	ug/l		
Unknown	4.91	J	ug/l		
Unknown	1.93	J	ug/l		
Unknown	1.60	J	ug/l		

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1197576-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1195689-2 WG1195689-3								
Acenaphthene	63		66		40-140	5		40
2-Chloronaphthalene	73		77		40-140	5		40
Fluoranthene	79		81		40-140	3		40
Hexachlorobutadiene	70		72		40-140	3		40
Naphthalene	66		69		40-140	4		40
Benzo(a)anthracene	78		80		40-140	3		40
Benzo(a)pyrene	68		69		40-140	1		40
Benzo(b)fluoranthene	64		65		40-140	2		40
Benzo(k)fluoranthene	67		68		40-140	1		40
Chrysene	71		72		40-140	1		40
Acenaphthylene	77		80		40-140	4		40
Anthracene	72		74		40-140	3		40
Benzo(ghi)perylene	65		65		40-140	0		40
Fluorene	67		70		40-140	4		40
Phenanthrene	70		73		40-140	4		40
Dibenzo(a,h)anthracene	66		67		40-140	2		40
Indeno(1,2,3-cd)pyrene	79		80		40-140	1		40
Pyrene	80		82		40-140	2		40
2-Methylnaphthalene	72		75		40-140	4		40
Pentachlorophenol	66		64		40-140	3		40
Hexachlorobenzene	66		69		40-140	4		40
Hexachloroethane	60		62		40-140	3		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1195689-2 WG1195689-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		54		21-120
Phenol-d6	44		45		10-120
Nitrobenzene-d5	73		76		23-120
2-Fluorobiphenyl	74		78		15-120
2,4,6-Tribromophenol	67		69		10-120
4-Terphenyl-d14	81		83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-10 Batch: WG1196085-2 WG1196085-3								
Acenaphthene	86		81		31-137	6		50
1,2,4-Trichlorobenzene	82		76		38-107	8		50
Hexachlorobenzene	91		83		40-140	9		50
Bis(2-chloroethyl)ether	67		62		40-140	8		50
2-Chloronaphthalene	89		82		40-140	8		50
1,2-Dichlorobenzene	76		72		40-140	5		50
1,3-Dichlorobenzene	77		72		40-140	7		50
1,4-Dichlorobenzene	77		73		28-104	5		50
3,3'-Dichlorobenzidine	64		61		40-140	5		50
2,4-Dinitrotoluene	97		91		40-132	6		50
2,6-Dinitrotoluene	95		89		40-140	7		50
Fluoranthene	91		87		40-140	4		50
4-Chlorophenyl phenyl ether	90		84		40-140	7		50
4-Bromophenyl phenyl ether	91		84		40-140	8		50
Bis(2-chloroisopropyl)ether	76		69		40-140	10		50
Bis(2-chloroethoxy)methane	74		69		40-117	7		50
Hexachlorobutadiene	84		79		40-140	6		50
Hexachlorocyclopentadiene	83		75		40-140	10		50
Hexachloroethane	75		69		40-140	8		50
Isophorone	75		69		40-140	8		50
Naphthalene	80		75		40-140	6		50
Nitrobenzene	74		68		40-140	8		50
NDPA/DPA	91		86		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-10 Batch: WG1196085-2 WG1196085-3								
n-Nitrosodi-n-propylamine	75		69		32-121	8		50
Bis(2-ethylhexyl)phthalate	96		90		40-140	6		50
Butyl benzyl phthalate	95		91		40-140	4		50
Di-n-butylphthalate	96		91		40-140	5		50
Di-n-octylphthalate	98		93		40-140	5		50
Diethyl phthalate	90		84		40-140	7		50
Dimethyl phthalate	90		85		40-140	6		50
Benzo(a)anthracene	89		84		40-140	6		50
Benzo(a)pyrene	92		87		40-140	6		50
Benzo(b)fluoranthene	91		84		40-140	8		50
Benzo(k)fluoranthene	86		84		40-140	2		50
Chrysene	85		81		40-140	5		50
Acenaphthylene	90		84		40-140	7		50
Anthracene	90		86		40-140	5		50
Benzo(ghi)perylene	87		82		40-140	6		50
Fluorene	88		82		40-140	7		50
Phenanthrene	86		83		40-140	4		50
Dibenzo(a,h)anthracene	88		83		40-140	6		50
Indeno(1,2,3-cd)pyrene	92		86		40-140	7		50
Pyrene	90		87		35-142	3		50
Biphenyl	91		86		54-104	6		50
4-Chloroaniline	45		52		40-140	14		50
2-Nitroaniline	101		93		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-10 Batch: WG1196085-2 WG1196085-3								
3-Nitroaniline	65		64		26-129	2		50
4-Nitroaniline	90		85		41-125	6		50
Dibenzofuran	86		80		40-140	7		50
2-Methylnaphthalene	87		81		40-140	7		50
1,2,4,5-Tetrachlorobenzene	91		85		40-117	7		50
Acetophenone	80		74		14-144	8		50
2,4,6-Trichlorophenol	101		91		30-130	10		50
p-Chloro-m-cresol	90		84		26-103	7		50
2-Chlorophenol	87		81		25-102	7		50
2,4-Dichlorophenol	95		88		30-130	8		50
2,4-Dimethylphenol	86		82		30-130	5		50
2-Nitrophenol	94		86		30-130	9		50
4-Nitrophenol	93		92		11-114	1		50
2,4-Dinitrophenol	80		74		4-130	8		50
4,6-Dinitro-o-cresol	94		85		10-130	10		50
Pentachlorophenol	88		83		17-109	6		50
Phenol	77		73		26-90	5		50
2-Methylphenol	84		79		30-130.	6		50
3-Methylphenol/4-Methylphenol	83		83		30-130	0		50
2,4,5-Trichlorophenol	102		95		30-130	7		50
Benzoic Acid	53		50		10-110	6		50
Benzyl Alcohol	79		72		40-140	9		50
Carbazole	91		88		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-10 Batch: WG1196085-2 WG1196085-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		78		25-120
Phenol-d6	84		78		10-120
Nitrobenzene-d5	77		72		23-120
2-Fluorobiphenyl	92		85		30-120
2,4,6-Tribromophenol	96		89		10-136
4-Terphenyl-d14	92		88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1197576-2 WG1197576-3								
Acenaphthene	60		72		37-111	18		30
1,2,4-Trichlorobenzene	65		85		39-98	27		30
Hexachlorobenzene	61		73		40-140	18		30
Bis(2-chloroethyl)ether	61		74		40-140	19		30
2-Chloronaphthalene	67		77		40-140	14		30
1,2-Dichlorobenzene	67		72		40-140	7		30
1,3-Dichlorobenzene	61		71		40-140	15		30
1,4-Dichlorobenzene	61		71		36-97	15		30
3,3'-Dichlorobenzidine	66		72		40-140	9		30
2,4-Dinitrotoluene	63		77		48-143	20		30
2,6-Dinitrotoluene	70		87		40-140	22		30
Fluoranthene	68		80		40-140	16		30
4-Chlorophenyl phenyl ether	65		76		40-140	16		30
4-Bromophenyl phenyl ether	64		77		40-140	18		30
Bis(2-chloroisopropyl)ether	70		76		40-140	8		30
Bis(2-chloroethoxy)methane	71		90		40-140	24		30
Hexachlorobutadiene	59		68		40-140	14		30
Hexachlorocyclopentadiene	49		67		40-140	**31**	Q	30
Hexachloroethane	65		74		40-140	13		30
Isophorone	74		87		40-140	16		30
Naphthalene	65		74		40-140	13		30
Nitrobenzene	68		80		40-140	16		30
NDPA/DPA	70		78		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1197576-2 WG1197576-3								
n-Nitrosodi-n-propylamine	76		88		29-132	15		30
Bis(2-ethylhexyl)phthalate	69		78		40-140	12		30
Butyl benzyl phthalate	72		89		40-140	21		30
Di-n-butylphthalate	66		76		40-140	14		30
Di-n-octylphthalate	77		85		40-140	10		30
Diethyl phthalate	69		79		40-140	14		30
Dimethyl phthalate	74		88		40-140	17		30
Benzo(a)anthracene	70		82		40-140	16		30
Benzo(a)pyrene	86		95		40-140	10		30
Benzo(b)fluoranthene	83		102		40-140	21		30
Benzo(k)fluoranthene	84		92		40-140	9		30
Chrysene	67		81		40-140	19		30
Acenaphthylene	69		82		45-123	17		30
Anthracene	67		80		40-140	18		30
Benzo(ghi)perylene	67		81		40-140	19		30
Fluorene	65		75		40-140	14		30
Phenanthrene	64		76		40-140	17		30
Dibenzo(a,h)anthracene	65		82		40-140	23		30
Indeno(1,2,3-cd)pyrene	63		73		40-140	15		30
Pyrene	59		78		26-127	28		30
Biphenyl	64		73		40-140	13		30
4-Chloroaniline	63		66		40-140	5		30
2-Nitroaniline	60		80		52-143	29		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1197576-2 WG1197576-3								
3-Nitroaniline	66		75		25-145	13		30
4-Nitroaniline	66		76		51-143	14		30
Dibenzofuran	62		72		40-140	15		30
2-Methylnaphthalene	64		78		40-140	20		30
1,2,4,5-Tetrachlorobenzene	52		72		2-134	**32**	Q	30
Acetophenone	73		81		39-129	10		30
2,4,6-Trichlorophenol	71		86		30-130	19		30
p-Chloro-m-cresol	70		89		23-97	24		30
2-Chlorophenol	67		78		27-123	15		30
2,4-Dichlorophenol	78		95		30-130	20		30
2,4-Dimethylphenol	74		96		30-130	26		30
2-Nitrophenol	72		88		30-130	20		30
4-Nitrophenol	**86**	Q	**98**	Q	10-80	13		30
2,4-Dinitrophenol	63		68		20-130	8		30
4,6-Dinitro-o-cresol	66		74		20-164	11		30
Pentachlorophenol	71		83		9-103	16		30
Phenol	44		54		12-110	20		30
2-Methylphenol	76		82		30-130	8		30
3-Methylphenol/4-Methylphenol	81		89		30-130	9		30
2,4,5-Trichlorophenol	74		87		30-130	16		30
Benzoic Acid	46		45		10-164	2		30
Benzyl Alcohol	74		86		26-116	15		30
Carbazole	73		88		55-144	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1197576-2 WG1197576-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		76		21-120
Phenol-d6	43		53		10-120
Nitrobenzene-d5	68		77		23-120
2-Fluorobiphenyl	63		75		15-120
2,4,6-Tribromophenol	73		81		10-120
4-Terphenyl-d14	56		66		41-149

PCBS

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/10/19 07:15
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 01/09/19 07:35
Cleanup Method: EPA 3665A
Cleanup Date: 01/09/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	0.070	J	ug/l	0.082	0.032	1	B
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	0.070	J	ug/l	0.082	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 21:05
Analyst: HT
Percent Solids: 43%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	73.3	6.51	1	A
Aroclor 1221	ND		ug/kg	73.3	7.34	1	A
Aroclor 1232	ND		ug/kg	73.3	15.5	1	A
Aroclor 1242	ND		ug/kg	73.3	9.88	1	A
Aroclor 1248	ND		ug/kg	73.3	11.0	1	A
Aroclor 1254	ND		ug/kg	73.3	8.02	1	A
Aroclor 1260	ND		ug/kg	73.3	13.5	1	A
Aroclor 1262	ND		ug/kg	73.3	9.31	1	A
Aroclor 1268	ND		ug/kg	73.3	7.59	1	A
PCBs, Total	ND		ug/kg	73.3	6.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 21:18
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.40	1	A
Aroclor 1221	ND		ug/kg	38.3	3.83	1	A
Aroclor 1232	ND		ug/kg	38.3	8.11	1	A
Aroclor 1242	ND		ug/kg	38.3	5.16	1	A
Aroclor 1248	ND		ug/kg	38.3	5.74	1	A
Aroclor 1254	33.5	J	ug/kg	38.3	4.18	1	B
Aroclor 1260	58.1		ug/kg	38.3	7.07	1	A
Aroclor 1262	ND		ug/kg	38.3	4.86	1	A
Aroclor 1268	ND		ug/kg	38.3	3.96	1	A
PCBs, Total	91.6	J	ug/kg	38.3	3.40	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 21:30
Analyst: HT
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.01	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	141		ug/kg	37.8	4.13	1	B
Aroclor 1260	134		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	275		ug/kg	37.8	3.35	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 21:43
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	8.05	J	ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	8.05	J	ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 21:55
Analyst: HT
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.5	3.77	1	A
Aroclor 1221	ND		ug/kg	42.5	4.26	1	A
Aroclor 1232	ND		ug/kg	42.5	9.01	1	A
Aroclor 1242	ND		ug/kg	42.5	5.73	1	A
Aroclor 1248	ND		ug/kg	42.5	6.37	1	A
Aroclor 1254	ND		ug/kg	42.5	4.65	1	A
Aroclor 1260	ND		ug/kg	42.5	7.85	1	A
Aroclor 1262	ND		ug/kg	42.5	5.40	1	A
Aroclor 1268	ND		ug/kg	42.5	4.40	1	A
PCBs, Total	ND		ug/kg	42.5	3.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 22:07
Analyst: HT
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.64	1	A
Aroclor 1221	ND		ug/kg	41.0	4.11	1	A
Aroclor 1232	ND		ug/kg	41.0	8.70	1	A
Aroclor 1242	ND		ug/kg	41.0	5.53	1	A
Aroclor 1248	ND		ug/kg	41.0	6.16	1	A
Aroclor 1254	ND		ug/kg	41.0	4.49	1	A
Aroclor 1260	ND		ug/kg	41.0	7.59	1	A
Aroclor 1262	ND		ug/kg	41.0	5.21	1	A
Aroclor 1268	ND		ug/kg	41.0	4.25	1	A
PCBs, Total	ND		ug/kg	41.0	3.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/10/19 22:20
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.67	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.94	1	A
Aroclor 1248	ND		ug/kg	36.7	5.50	1	A
Aroclor 1254	ND		ug/kg	36.7	4.01	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/09/19 11:01
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 01/08/19 08:22
Cleanup Method: EPA 3665A
Cleanup Date: 01/08/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/09/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1195614-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	A
PCBs, Total	ND		ug/l	0.082	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/10/19 00:42
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 01/09/19 14:15
Cleanup Method: EPA 3665A
Cleanup Date: 01/09/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/09/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-07,09-10 Batch: WG1196100-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.15	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.24	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.44	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1195614-2 WG1195614-3									
Aroclor 1016	73		77		40-140	6		50	A
Aroclor 1260	75		79		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		84		30-150	A
Decachlorobiphenyl	73		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		86		30-150	B
Decachlorobiphenyl	80		89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-07,09-10 Batch: WG1196100-2 WG1196100-3									
Aroclor 1016	89		84		40-140	6		50	A
Aroclor 1260	95		90		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		78		30-150	A
Decachlorobiphenyl	91		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	91		90		30-150	B

PESTICIDES

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/10/19 17:32
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 01/09/19 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 02:46
Analyst: BM
Percent Solids: 43%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	3.68	0.720	1	A
Lindane	ND		ug/kg	1.53	0.685	1	A
Alpha-BHC	ND		ug/kg	1.53	0.435	1	A
Beta-BHC	ND		ug/kg	3.68	1.39	1	A
Heptachlor	ND		ug/kg	1.84	0.824	1	A
Aldrin	ND		ug/kg	3.68	1.29	1	A
Heptachlor epoxide	ND		ug/kg	6.89	2.07	1	A
Endrin	ND		ug/kg	1.53	0.628	1	A
Endrin aldehyde	ND		ug/kg	4.60	1.61	1	A
Endrin ketone	ND		ug/kg	3.68	0.946	1	A
Dieldrin	ND		ug/kg	2.30	1.15	1	A
4,4'-DDE	ND		ug/kg	3.68	0.850	1	A
4,4'-DDD	ND		ug/kg	3.68	1.31	1	A
4,4'-DDT	ND		ug/kg	6.89	2.96	1	A
Endosulfan I	ND		ug/kg	3.68	0.868	1	A
Endosulfan II	ND		ug/kg	3.68	1.23	1	A
Endosulfan sulfate	ND		ug/kg	1.53	0.729	1	A
Methoxychlor	ND		ug/kg	6.89	2.14	1	A
Toxaphene	ND		ug/kg	68.9	19.3	1	A
cis-Chlordane	ND		ug/kg	4.60	1.28	1	A
trans-Chlordane	ND		ug/kg	4.60	1.21	1	A
Chlordane	ND		ug/kg	29.9	12.2	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	95		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 04:28
Analyst: BM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.780	0.349	1	A
Alpha-BHC	ND		ug/kg	0.780	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	B
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	2.87	IP	ug/kg	1.17	0.585	1	B
4,4'-DDE	7.00		ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	26.7		ug/kg	3.51	1.50	1	B
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.83	1	A
cis-Chlordane	2.32	JIP	ug/kg	2.34	0.652	1	B
trans-Chlordane	2.83	IP	ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.2	6.20	1	A

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04 Date Collected: 01/07/19 15:37

Client ID: SB11-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 04:53
Analyst: BM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.369	1	A
Lindane	ND		ug/kg	0.786	0.351	1	A
Alpha-BHC	ND		ug/kg	0.786	0.223	1	A
Beta-BHC	ND		ug/kg	1.89	0.715	1	A
Heptachlor	0.658	JIP	ug/kg	0.943	0.423	1	B
Aldrin	ND		ug/kg	1.89	0.664	1	A
Heptachlor epoxide	5.18	IP	ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.786	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.825	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	10.2	IP	ug/kg	1.18	0.589	1	B
4,4'-DDE	6.47		ug/kg	1.89	0.436	1	A
4,4'-DDD	14.9		ug/kg	1.89	0.673	1	A
4,4'-DDT	9.24	IP	ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	1.03	JIP	ug/kg	1.89	0.630	1	A
Endosulfan sulfate	ND		ug/kg	0.786	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.90	1	A
cis-Chlordane	21.6	IP	ug/kg	2.36	0.657	1	B
trans-Chlordane	22.7		ug/kg	2.36	0.622	1	B
Chlordane	162		ug/kg	15.3	6.25	1	A

Project Name: 47-50 30TH ST., LIC **Lab Number:** L1900836

Project Number: 1690010617-001 **Report Date:** 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05 Date Collected: 01/07/19 16:30

Client ID: SB12-SS01-20190107 Date Received: 01/08/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 04:15
Analyst: BM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.681	0.304	1	A
Alpha-BHC	ND		ug/kg	0.681	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.620	1	A
Heptachlor	ND		ug/kg	0.817	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.919	1	A
Endrin	ND		ug/kg	0.681	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.715	1	A
Endrin ketone	ND		ug/kg	1.63	0.421	1	A
Dieldrin	ND		ug/kg	1.02	0.511	1	A
4,4'-DDE	ND		ug/kg	1.63	0.378	1	A
4,4'-DDD	ND		ug/kg	1.63	0.583	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.681	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.953	1	A
Toxaphene	ND		ug/kg	30.6	8.58	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.3	5.41	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 03:37
Analyst: BM
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.01	0.393	1	A
Lindane	ND		ug/kg	0.836	0.374	1	A
Alpha-BHC	ND		ug/kg	0.836	0.238	1	A
Beta-BHC	ND		ug/kg	2.01	0.761	1	A
Heptachlor	ND		ug/kg	1.00	0.450	1	A
Aldrin	ND		ug/kg	2.01	0.707	1	A
Heptachlor epoxide	ND		ug/kg	3.76	1.13	1	A
Endrin	ND		ug/kg	0.836	0.343	1	A
Endrin aldehyde	ND		ug/kg	2.51	0.878	1	A
Endrin ketone	ND		ug/kg	2.01	0.517	1	A
Dieldrin	ND		ug/kg	1.25	0.627	1	A
4,4'-DDE	ND		ug/kg	2.01	0.464	1	A
4,4'-DDD	ND		ug/kg	2.01	0.716	1	A
4,4'-DDT	ND		ug/kg	3.76	1.61	1	A
Endosulfan I	ND		ug/kg	2.01	0.474	1	A
Endosulfan II	ND		ug/kg	2.01	0.671	1	A
Endosulfan sulfate	ND		ug/kg	0.836	0.398	1	A
Methoxychlor	ND		ug/kg	3.76	1.17	1	A
Toxaphene	ND		ug/kg	37.6	10.5	1	A
cis-Chlordane	ND		ug/kg	2.51	0.699	1	A
trans-Chlordane	ND		ug/kg	2.51	0.662	1	A
Chlordane	ND		ug/kg	16.3	6.65	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/15/19 15:52
Analyst: BM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.383	1	A
Lindane	ND		ug/kg	0.815	0.364	1	A
Alpha-BHC	ND		ug/kg	0.815	0.232	1	A
Beta-BHC	ND		ug/kg	1.96	0.742	1	A
Heptachlor	ND		ug/kg	0.978	0.438	1	A
Aldrin	ND		ug/kg	1.96	0.689	1	A
Heptachlor epoxide	ND		ug/kg	3.67	1.10	1	A
Endrin	ND		ug/kg	0.815	0.334	1	A
Endrin aldehyde	ND		ug/kg	2.44	0.856	1	A
Endrin ketone	ND		ug/kg	1.96	0.504	1	A
Dieldrin	ND		ug/kg	1.22	0.611	1	A
4,4'-DDE	ND		ug/kg	1.96	0.452	1	A
4,4'-DDD	ND		ug/kg	1.96	0.698	1	A
4,4'-DDT	ND		ug/kg	3.67	1.57	1	A
Endosulfan I	ND		ug/kg	1.96	0.462	1	A
Endosulfan II	ND		ug/kg	1.96	0.654	1	A
Endosulfan sulfate	ND		ug/kg	0.815	0.388	1	A
Methoxychlor	ND		ug/kg	3.67	1.14	1	A
Toxaphene	ND		ug/kg	36.7	10.3	1	A
cis-Chlordane	ND		ug/kg	2.44	0.682	1	A
trans-Chlordane	ND		ug/kg	2.44	0.646	1	A
Chlordane	ND		ug/kg	15.9	6.48	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**1550**	Q	30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 03:50
Analyst: BM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.0	5.73	1	A

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/10/19 12:25
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/08/19 09:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1195638-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/10/19 12:25
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/08/19 09:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1195638-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/12/19 01:05
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-07,10 Batch: WG1196190-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/12/19 01:05
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-07,10 Batch: WG1196190-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/15/19 15:14
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1197862-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/15/19 15:14
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1197862-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	62		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1195638-2 WG1195638-3									
Delta-BHC	72		83		30-150	14		20	A
Lindane	72		78		30-150	7		20	A
Alpha-BHC	75		82		30-150	9		20	A
Beta-BHC	76		88		30-150	14		20	A
Heptachlor	72		78		30-150	8		20	A
Aldrin	71		76		30-150	8		20	A
Heptachlor epoxide	77		84		30-150	9		20	A
Endrin	75		83		30-150	11		20	A
Endrin aldehyde	59		62		30-150	5		20	A
Endrin ketone	69		82		30-150	17		20	A
Dieldrin	77		85		30-150	9		20	A
4,4'-DDE	74		82		30-150	10		20	A
4,4'-DDD	76		79		30-150	4		20	A
4,4'-DDT	71		75		30-150	6		20	A
Endosulfan I	71		78		30-150	10		20	A
Endosulfan II	71		76		30-150	7		20	A
Endosulfan sulfate	65		78		30-150	19		20	A
Methoxychlor	71		83		30-150	16		20	A
cis-Chlordane	64		69		30-150	7		20	A
trans-Chlordane	69		75		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1195638-2 WG1195638-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		81		30-150	A
Decachlorobiphenyl	36		38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		81		30-150	B
Decachlorobiphenyl	36		44		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-07,10 Batch: WG1196190-2 WG1196190-3									
Delta-BHC	96		89		30-150	8		30	A
Lindane	89		84		30-150	6		30	A
Alpha-BHC	94		88		30-150	7		30	A
Beta-BHC	100		92		30-150	8		30	A
Heptachlor	102		96		30-150	6		30	A
Aldrin	88		82		30-150	7		30	A
Heptachlor epoxide	78		84		30-150	7		30	A
Endrin	98		92		30-150	6		30	A
Endrin aldehyde	70		63		30-150	11		30	A
Endrin ketone	92		80		30-150	14		30	A
Dieldrin	99		92		30-150	7		30	A
4,4'-DDE	90		82		30-150	9		30	A
4,4'-DDD	97		89		30-150	9		30	A
4,4'-DDT	97		88		30-150	10		30	A
Endosulfan I	89		83		30-150	7		30	A
Endosulfan II	98		90		30-150	9		30	A
Endosulfan sulfate	79		68		30-150	15		30	A
Methoxychlor	104		92		30-150	12		30	A
cis-Chlordane	76		72		30-150	5		30	A
trans-Chlordane	85		84		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-07,10 Batch: WG1196190-2 WG1196190-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		98		30-150	B
Decachlorobiphenyl	86		74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		92		30-150	A
Decachlorobiphenyl	86		72		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1197862-2 WG1197862-3									
Delta-BHC	93		84		30-150	10		30	A
Lindane	88		81		30-150	8		30	A
Alpha-BHC	93		86		30-150	8		30	A
Beta-BHC	97		87		30-150	11		30	A
Heptachlor	94		87		30-150	8		30	A
Aldrin	88		80		30-150	10		30	A
Heptachlor epoxide	68		63		30-150	8		30	A
Endrin	88		82		30-150	7		30	A
Endrin aldehyde	53		52		30-150	2		30	A
Endrin ketone	72		68		30-150	6		30	A
Dieldrin	87		81		30-150	7		30	A
4,4'-DDE	83		77		30-150	8		30	A
4,4'-DDD	84		80		30-150	5		30	A
4,4'-DDT	78		75		30-150	4		30	A
Endosulfan I	83		78		30-150	6		30	A
Endosulfan II	84		81		30-150	4		30	A
Endosulfan sulfate	49		44		30-150	11		30	A
Methoxychlor	78		76		30-150	3		30	A
cis-Chlordane	74		68		30-150	8		30	A
trans-Chlordane	81		76		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1197862-2 WG1197862-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		106		30-150	B
Decachlorobiphenyl	72		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		92		30-150	A
Decachlorobiphenyl	67		65		30-150	A

METALS

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.203		mg/l	0.0100	0.00327	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Antimony, Total	0.00046	J	mg/l	0.00400	0.00042	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00065		mg/l	0.00050	0.00016	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Barium, Total	0.3058		mg/l	0.00050	0.00017	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Calcium, Total	159.		mg/l	0.100	0.0394	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Chromium, Total	0.00096	J	mg/l	0.00100	0.00017	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00492		mg/l	0.00050	0.00016	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Copper, Total	0.00186		mg/l	0.00100	0.00038	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Iron, Total	19.9		mg/l	0.0500	0.0191	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Lead, Total	0.00354		mg/l	0.00100	0.00034	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Magnesium, Total	19.6		mg/l	0.0700	0.0242	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Manganese, Total	0.9812		mg/l	0.00100	0.00044	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/09/19 11:16	01/09/19 17:17	EPA 7470A	1,7470A	MG
Nickel, Total	0.00572		mg/l	0.00200	0.00055	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Potassium, Total	20.0		mg/l	0.100	0.0309	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Selenium, Total	0.00736		mg/l	0.00500	0.00173	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Sodium, Total	316.		mg/l	0.100	0.0293	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00176	J	mg/l	0.00500	0.00157	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Zinc, Total	0.01390		mg/l	0.01000	0.00341	1	01/09/19 07:50	01/10/19 12:54	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00697	J	mg/l	0.0100	0.00327	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00079	J	mg/l	0.00400	0.00042	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00029	J	mg/l	0.00050	0.00016	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2886		mg/l	0.00050	0.00017	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Calcium, Dissolved	147.		mg/l	0.100	0.0394	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00436		mg/l	0.00050	0.00016	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Iron, Dissolved	9.42		mg/l	0.0500	0.0191	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	18.2		mg/l	0.0700	0.0242	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9607		mg/l	0.00100	0.00044	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/10/19 11:06	01/11/19 00:15	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00479		mg/l	0.00200	0.00055	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Potassium, Dissolved	19.2		mg/l	0.100	0.0309	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00578		mg/l	0.00500	0.00173	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Sodium, Dissolved	283.		mg/l	0.100	0.0293	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01122		mg/l	0.01000	0.00341	1	01/09/19 15:14	01/10/19 14:03	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 43%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5070		mg/kg	18.3	4.95	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	9.17	0.697	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Arsenic, Total	6.71		mg/kg	1.83	0.381	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Barium, Total	30.8		mg/kg	1.83	0.319	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.312	J	mg/kg	0.917	0.061	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Cadmium, Total	0.422	J	mg/kg	1.83	0.180	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Calcium, Total	3490		mg/kg	18.3	6.42	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Chromium, Total	11.3		mg/kg	1.83	0.176	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Cobalt, Total	54.4		mg/kg	3.67	0.304	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Copper, Total	13.3		mg/kg	1.83	0.473	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Iron, Total	8540		mg/kg	9.17	1.66	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Lead, Total	8.99	J	mg/kg	9.17	0.491	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Magnesium, Total	1310		mg/kg	18.3	2.82	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Manganese, Total	61.8		mg/kg	1.83	0.292	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.147	0.031	1	01/09/19 06:40	01/09/19 20:33	EPA 7471B	1,7471B	EA
Nickel, Total	84.0		mg/kg	4.58	0.444	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Potassium, Total	666		mg/kg	458	26.4	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Selenium, Total	4.25		mg/kg	3.67	0.473	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.83	0.519	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Sodium, Total	610		mg/kg	367	5.78	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	3.67	0.578	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Vanadium, Total	20.8		mg/kg	1.83	0.372	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC
Zinc, Total	201		mg/kg	9.17	0.537	2	01/09/19 18:41	01/09/19 23:54	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3220		mg/kg	9.35	2.52	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Antimony, Total	1.26	J	mg/kg	4.68	0.355	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Arsenic, Total	9.64		mg/kg	0.935	0.194	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Barium, Total	64.5		mg/kg	0.935	0.163	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Beryllium, Total	0.290	J	mg/kg	0.468	0.031	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Cadmium, Total	0.411	J	mg/kg	0.935	0.092	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Calcium, Total	3440		mg/kg	9.35	3.27	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Chromium, Total	5.82		mg/kg	0.935	0.090	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Cobalt, Total	6.23		mg/kg	1.87	0.155	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Copper, Total	38.0		mg/kg	0.935	0.241	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Iron, Total	8150		mg/kg	4.68	0.844	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Lead, Total	31.0		mg/kg	4.68	0.251	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Magnesium, Total	274		mg/kg	9.35	1.44	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Manganese, Total	74.2		mg/kg	0.935	0.149	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Mercury, Total	0.160		mg/kg	0.074	0.016	1	01/09/19 06:40	01/09/19 20:35	EPA 7471B	1,7471B	EA
Nickel, Total	10.1		mg/kg	2.34	0.226	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Potassium, Total	246		mg/kg	234	13.5	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Selenium, Total	1.74	J	mg/kg	1.87	0.241	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.935	0.265	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Sodium, Total	209		mg/kg	187	2.94	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.87	0.294	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Vanadium, Total	20.2		mg/kg	0.935	0.190	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC
Zinc, Total	162		mg/kg	4.68	0.274	2	01/09/19 18:41	01/09/19 23:58	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4010		mg/kg	9.51	2.57	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Antimony, Total	1.06	J	mg/kg	4.76	0.362	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Arsenic, Total	4.63		mg/kg	0.951	0.198	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Barium, Total	48.7		mg/kg	0.951	0.166	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Beryllium, Total	0.124	J	mg/kg	0.476	0.031	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Cadmium, Total	1.94		mg/kg	0.951	0.093	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Calcium, Total	13900		mg/kg	9.51	3.33	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Chromium, Total	15.4		mg/kg	0.951	0.091	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Cobalt, Total	4.79		mg/kg	1.90	0.158	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Copper, Total	48.2		mg/kg	0.951	0.245	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Iron, Total	14000		mg/kg	4.76	0.859	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Lead, Total	86.6		mg/kg	4.76	0.255	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Magnesium, Total	3800		mg/kg	9.51	1.46	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Manganese, Total	172		mg/kg	0.951	0.151	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Mercury, Total	0.235		mg/kg	0.077	0.016	1	01/09/19 06:40	01/09/19 20:36	EPA 7471B	1,7471B	EA
Nickel, Total	14.8		mg/kg	2.38	0.230	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Potassium, Total	776		mg/kg	238	13.7	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Selenium, Total	0.571	J	mg/kg	1.90	0.245	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Silver, Total	0.970		mg/kg	0.951	0.269	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Sodium, Total	156	J	mg/kg	190	3.00	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.90	0.300	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Vanadium, Total	29.2		mg/kg	0.951	0.193	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC
Zinc, Total	97.3		mg/kg	4.76	0.279	2	01/09/19 18:41	01/10/19 00:02	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6230		mg/kg	8.35	2.25	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Antimony, Total	1.73	J	mg/kg	4.17	0.317	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Arsenic, Total	4.27		mg/kg	0.835	0.174	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Barium, Total	71.8		mg/kg	0.835	0.145	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Beryllium, Total	0.267	J	mg/kg	0.417	0.028	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Cadmium, Total	0.300	J	mg/kg	0.835	0.082	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Calcium, Total	5640		mg/kg	8.35	2.92	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Chromium, Total	25.3		mg/kg	0.835	0.080	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Cobalt, Total	12.8		mg/kg	1.67	0.138	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Copper, Total	91.9		mg/kg	0.835	0.215	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Iron, Total	15200		mg/kg	4.17	0.754	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Lead, Total	112		mg/kg	4.17	0.224	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Magnesium, Total	1950		mg/kg	8.35	1.28	2	01/09/19 18:41	01/10/19 02:34	EPA 3050B	1,6010D	MC
Manganese, Total	241		mg/kg	0.835	0.133	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Mercury, Total	0.135		mg/kg	0.069	0.015	1	01/09/19 06:40	01/09/19 20:38	EPA 7471B	1,7471B	EA
Nickel, Total	16.2		mg/kg	2.09	0.202	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Potassium, Total	872		mg/kg	209	12.0	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Selenium, Total	1.12	J	mg/kg	1.67	0.215	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.835	0.236	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Sodium, Total	276		mg/kg	167	2.63	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.67	0.263	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Vanadium, Total	23.5		mg/kg	0.835	0.169	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC
Zinc, Total	545		mg/kg	4.17	0.245	2	01/09/19 18:41	01/10/19 01:09	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8250		mg/kg	9.84	2.66	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Antimony, Total	0.679	J	mg/kg	4.92	0.374	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Arsenic, Total	5.52		mg/kg	0.984	0.205	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Barium, Total	47.1		mg/kg	0.984	0.171	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Beryllium, Total	0.315	J	mg/kg	0.492	0.033	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.984	0.096	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Calcium, Total	3360		mg/kg	9.84	3.44	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Chromium, Total	17.1		mg/kg	0.984	0.095	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Cobalt, Total	5.13		mg/kg	1.97	0.163	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Copper, Total	42.6		mg/kg	0.984	0.254	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Iron, Total	14200		mg/kg	4.92	0.889	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Lead, Total	21.7		mg/kg	4.92	0.264	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Magnesium, Total	2060		mg/kg	9.84	1.52	2	01/09/19 18:41	01/10/19 02:38	EPA 3050B	1,6010D	MC
Manganese, Total	156		mg/kg	0.984	0.156	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Mercury, Total	0.100		mg/kg	0.082	0.017	1	01/09/19 06:40	01/09/19 20:43	EPA 7471B	1,7471B	EA
Nickel, Total	10.5		mg/kg	2.46	0.238	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Potassium, Total	1120		mg/kg	246	14.2	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Selenium, Total	1.12	J	mg/kg	1.97	0.254	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.984	0.278	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Sodium, Total	93.1	J	mg/kg	197	3.10	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.97	0.310	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Vanadium, Total	21.6		mg/kg	0.984	0.200	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC
Zinc, Total	35.2		mg/kg	4.92	0.288	2	01/09/19 18:41	01/10/19 01:13	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3540		mg/kg	9.86	2.66	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Antimony, Total	8.98		mg/kg	4.93	0.375	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Arsenic, Total	2.01		mg/kg	0.986	0.205	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Barium, Total	73.6		mg/kg	0.986	0.172	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Beryllium, Total	0.118	J	mg/kg	0.493	0.033	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Cadmium, Total	0.365	J	mg/kg	0.986	0.097	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Calcium, Total	9600		mg/kg	9.86	3.45	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Chromium, Total	9.86		mg/kg	0.986	0.095	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Cobalt, Total	3.72		mg/kg	1.97	0.164	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Copper, Total	47.3		mg/kg	0.986	0.254	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Iron, Total	8150		mg/kg	4.93	0.890	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Lead, Total	620		mg/kg	4.93	0.264	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Magnesium, Total	1780		mg/kg	9.86	1.52	2	01/09/19 18:41	01/10/19 02:42	EPA 3050B	1,6010D	MC
Manganese, Total	125		mg/kg	0.986	0.157	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Mercury, Total	0.164		mg/kg	0.081	0.017	1	01/09/19 06:40	01/09/19 20:45	EPA 7471B	1,7471B	EA
Nickel, Total	9.16		mg/kg	2.46	0.239	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Potassium, Total	962		mg/kg	246	14.2	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Selenium, Total	0.582	J	mg/kg	1.97	0.254	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.986	0.279	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Sodium, Total	105	J	mg/kg	197	3.11	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.97	0.311	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Vanadium, Total	10.9		mg/kg	0.986	0.200	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC
Zinc, Total	172		mg/kg	4.93	0.289	2	01/09/19 18:41	01/10/19 01:17	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Lab Number: L1900836
Project Number: 1690010617-001
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5620		mg/kg	8.64	2.33	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.32	0.328	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Arsenic, Total	1.78		mg/kg	0.864	0.180	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Barium, Total	33.1		mg/kg	0.864	0.150	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Beryllium, Total	0.216	J	mg/kg	0.432	0.029	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.864	0.085	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Calcium, Total	1120		mg/kg	8.64	3.02	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Chromium, Total	10.1		mg/kg	0.864	0.083	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Cobalt, Total	4.74		mg/kg	1.73	0.144	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Copper, Total	17.3		mg/kg	0.864	0.223	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Iron, Total	10600		mg/kg	4.32	0.781	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Lead, Total	6.71		mg/kg	4.32	0.232	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Magnesium, Total	1720		mg/kg	8.64	1.33	2	01/09/19 18:41	01/10/19 02:46	EPA 3050B	1,6010D	MC
Manganese, Total	94.3		mg/kg	0.864	0.137	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.073	0.015	1	01/09/19 06:40	01/09/19 20:47	EPA 7471B	1,7471B	EA
Nickel, Total	7.99		mg/kg	2.16	0.209	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Potassium, Total	786		mg/kg	216	12.4	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Selenium, Total	0.536	J	mg/kg	1.73	0.223	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.864	0.245	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Sodium, Total	76.7	J	mg/kg	173	2.72	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.272	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Vanadium, Total	17.3		mg/kg	0.864	0.175	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC
Zinc, Total	21.3		mg/kg	4.32	0.253	2	01/09/19 18:41	01/10/19 01:21	EPA 3050B	1,6010D	MC

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-07,09-10 Batch: WG1195917-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	01/09/19 06:40	01/09/19 20:21	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1195933-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Chromium, Total	0.00027	J	mg/l	0.00100	0.00017	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Iron, Total	0.0401	J	mg/l	0.0500	0.0191	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Thallium, Total	0.00020	J	mg/l	0.00050	0.00014	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/09/19 07:50	01/10/19 09:13	1,6020B	AM

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1196029-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/09/19 11:16	01/09/19 16:44	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG1196091-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Antimony, Dissolved	0.00049	J	mg/l	0.00400	0.00042	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Manganese, Dissolved	0.00059	J	mg/l	0.00100	0.00044	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Sodium, Dissolved	0.0424	J	mg/l	0.100	0.0293	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/09/19 15:14	01/10/19 14:29	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-07,09-10 Batch: WG1196159-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Iron, Total	0.412	J	mg/kg	2.00	0.361	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/09/19 18:41	01/09/19 22:22	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG1196406-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/10/19 11:06	01/11/19 00:03	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 Batch: WG1195917-2 SRM Lot Number: D101-540								
Mercury, Total	75		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1195933-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	95	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	111	-	80-120	-	
Magnesium, Total	108	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	114	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1195933-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1196029-2					
Mercury, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1196091-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	98	-	80-120	-	
Arsenic, Dissolved	106	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	116	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	99	-	80-120	-	
Iron, Dissolved	114	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Magnesium, Dissolved	103	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	105	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	110	-	80-120	-	
Silver, Dissolved	106	-	80-120	-	
Sodium, Dissolved	96	-	80-120	-	
Thallium, Dissolved	96	-	80-120	-	
Vanadium, Dissolved	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1196091-2					
Zinc, Dissolved	110	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 Batch: WG1196159-2 SRM Lot Number: D101-540					
Aluminum, Total	78	-	50-151	-	
Antimony, Total	160	-	3-196	-	
Arsenic, Total	97	-	83-117	-	
Barium, Total	94	-	83-118	-	
Beryllium, Total	96	-	83-117	-	
Cadmium, Total	94	-	83-117	-	
Calcium, Total	95	-	81-119	-	
Chromium, Total	95	-	81-118	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	94	-	83-116	-	
Iron, Total	100	-	62-138	-	
Lead, Total	91	-	83-117	-	
Magnesium, Total	92	-	76-124	-	
Manganese, Total	94	-	82-118	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	71-130	-	
Selenium, Total	95	-	79-121	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	103	-	72-127	-	
Thallium, Total	95	-	81-119	-	
Vanadium, Total	99	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 Batch: WG1196159-2 SRM Lot Number: D101-540					
Zinc, Total	95	-	81-119	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1196406-2					
Mercury, Dissolved	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 QC Batch ID: WG1195917-3 WG1195917-4 QC Sample: L1900885-03 Client ID: MS Sample												
Mercury, Total	0.363	0.152	0.504	92		0.541	119		80-120	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1195933-3 WG1195933-4 QC Sample: L1900689-04 Client ID: MS Sample											
Aluminum, Total	5.09	2	7.99	**145**	Q	8.30	**160**	Q	75-125	4	20
Antimony, Total	0.00276J	0.5	0.5394	108		0.5506	110		75-125	2	20
Arsenic, Total	0.00329	0.12	0.1387	113		0.1399	114		75-125	1	20
Barium, Total	0.1185	2	2.337	111		2.406	114		75-125	3	20
Beryllium, Total	0.00041J	0.05	0.05420	108		0.05553	111		75-125	2	20
Cadmium, Total	0.00014J	0.051	0.06106	120		0.06332	124		75-125	4	20
Calcium, Total	276.	10	279	**30**	Q	304	**280**	Q	75-125	9	20
Chromium, Total	0.04870	0.2	0.2571	104		0.2698	110		75-125	5	20
Cobalt, Total	0.04129	0.5	0.5583	103		0.5674	105		75-125	2	20
Copper, Total	0.02894	0.25	0.2791	100		0.2879	104		75-125	3	20
Iron, Total	77.7	1	85.0	**730**	Q	88.0	**1030**	Q	75-125	3	20
Lead, Total	0.00722	0.51	0.6940	**135**	Q	0.6840	**133**	Q	75-125	1	20
Magnesium, Total	259.	10	279	**200**	Q	298	**390**	Q	75-125	7	20
Manganese, Total	4.984	0.5	5.679	**139**	Q	5.952	**194**	Q	75-125	5	20
Nickel, Total	0.09991	0.5	0.6260	105		0.6326	106		75-125	1	20
Potassium, Total	117.	10	122	**50**	Q	131	**140**	Q	75-125	7	20
Selenium, Total	ND	0.12	0.122	102		0.126	105		75-125	3	20
Silver, Total	ND	0.05	0.05504	110		0.05734	115		75-125	4	20
Sodium, Total	1600	10	1640	**400**	Q	1740	**1400**	Q	75-125	6	20
Thallium, Total	0.00034J	0.12	0.1504	125		0.1490	124		75-125	1	20
Vanadium, Total	0.01067	0.5	0.5527	108		0.5549	109		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01	QC Batch ID: WG1195933-3				WG1195933-4		QC Sample: L1900689-04	Client ID:	MS Sample
Zinc, Total	0.1589	0.5	0.7422	117	0.7595	120	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01	QC Batch ID: WG1196029-3				WG1196029-4		QC Sample: L1900689-04	Client ID:	MS Sample
Mercury, Total	ND	0.005	0.00471	94	0.00490	98	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196091-3 QC Sample: L1900818-13 Client ID: MS Sample										
Aluminum, Dissolved	ND	2	2.12	106		-	-	75-125	-	20
Antimony, Dissolved	0.00073J	0.5	0.5091	102		-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.1274	106		-	-	75-125	-	20
Barium, Dissolved	0.00073	2	2.085	104		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05410	108		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05625	110		-	-	75-125	-	20
Calcium, Dissolved	0.0486J	10	10.3	103		-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.2046	102		-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.5248	105		-	-	75-125	-	20
Copper, Dissolved	0.00138	0.25	0.2524	100		-	-	75-125	-	20
Iron, Dissolved	ND	1	1.26	**126**	Q	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5200	102		-	-	75-125	-	20
Magnesium, Dissolved	ND	10	10.6	106		-	-	75-125	-	20
Manganese, Dissolved	ND	0.5	0.5267	105		-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.5266	105		-	-	75-125	-	20
Potassium, Dissolved	ND	10	10.2	102		-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.130	108		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05147	103		-	-	75-125	-	20
Sodium, Dissolved	0.194	10	10.0	98		-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1145	95		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5234	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196091-3 QC Sample: L1900818-13 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5504	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 QC Batch ID: WG1196159-3 WG1196159-4 QC Sample: L1900870-25 Client ID: MS Sample											
Aluminum, Total	4840	204	5830	**484**	Q	5890	**508**	Q	75-125	1	20
Antimony, Total	1.12J	51.1	46.6	91		48.0	93		75-125	3	20
Arsenic, Total	4.25	12.3	17.4	107		17.0	103		75-125	2	20
Barium, Total	63.7	204	261	96		268	99		75-125	3	20
Beryllium, Total	0.272	5.11	5.38	100		5.45	100		75-125	1	20
Cadmium, Total	0.236J	5.21	5.16	99		5.34	101		75-125	3	20
Calcium, Total	1520	1020	2460	92		2500	95		75-125	2	20
Chromium, Total	7.04	20.4	26.1	93		26.9	96		75-125	3	20
Cobalt, Total	4.76	51.1	49.8	88		51.4	90		75-125	3	20
Copper, Total	9.07	25.6	33.7	96		34.5	98		75-125	2	20
Iron, Total	10400	102	11600	**1170**	Q	11800	**1360**	Q	75-125	2	20
Lead, Total	53.6	52.1	118	123		116	118		75-125	2	20
Magnesium, Total	1770	1020	2960	116		2940	113		75-125	1	20
Manganese, Total	515	51.1	587	**141**	Q	605	**174**	Q	75-125	3	20
Nickel, Total	9.97	51.1	55.2	88		56.7	90		75-125	3	20
Potassium, Total	454	1020	1440	96		1440	95		75-125	0	20
Selenium, Total	0.820J	12.3	12.4	101		12.8	103		75-125	3	20
Silver, Total	ND	30.7	32.2	105		33.1	107		75-125	3	20
Sodium, Total	15.2J	1020	1030	101		1050	102		75-125	2	20
Thallium, Total	ND	12.3	10.4	85		10.7	86		75-125	3	20
Vanadium, Total	6.91	51.1	56.9	98		58.9	101		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-07,09-10 QC Batch ID: WG1196159-3 WG1196159-4 QC Sample: L1900870-25 Client ID: MS Sample									
Zinc, Total	56.1	51.1	106	98	109	102	75-125	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196406-3 WG1196406-4 QC Sample: L1900818-13 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00457	92	0.00452	90	75-125	1	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196091-4 QC Sample: L1900818-13 Client ID: DUP Sample						
Aluminum, Dissolved	ND	ND	mg/l	NC		20
Antimony, Dissolved	0.00073J	0.00068J	mg/l	NC		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Barium, Dissolved	0.00073	0.00071	mg/l	3		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	0.0486J	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Cobalt, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.00138	0.00144	mg/l	4		20
Iron, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	ND	ND	mg/l	NC		20
Nickel, Dissolved	ND	ND	mg/l	NC		20
Potassium, Dissolved	ND	ND	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	0.194	0.199	mg/l	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196091-4 QC Sample: L1900818-13 Client ID: DUP Sample					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-01
Client ID: TW11-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 17:50
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/09/19 14:35	01/10/19 13:56	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-02
Client ID: SB8A-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-03
Client ID: SB11-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:10
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	42.7		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	2.5	0.54	1.12	01/09/19 12:50	01/09/19 15:06	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-04
Client ID: SB11-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 15:37
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	0.25	J	mg/kg	1.1	0.23	1	01/09/19 12:50	01/09/19 15:07	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-05
Client ID: SB12-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:30
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	0.26	J	mg/kg	1.2	0.25	1	01/09/19 12:50	01/09/19 15:08	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-06
Client ID: SB6-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:35
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	01/09/19 12:50	01/09/19 15:09	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-07
Client ID: SB6-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 19:53
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.27	1	01/09/19 12:50	01/09/19 15:12	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-08
Client ID: SB8-SS01-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 18:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-09
Client ID: SB6-SS03-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 20:20
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	01/09/19 12:50	01/09/19 15:13	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1900836-10
Client ID: SB12-SS02-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 16:40
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	01/09/19 11:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	01/09/19 12:50	01/09/19 15:14	1,9010C/9012B	LH

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900836
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-07,09-10 Batch: WG1196064-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	01/09/19 12:50	01/09/19 14:59	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1196095-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/09/19 02:35	01/10/19 13:19	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-07,09-10 Batch: WG1196064-2 WG1196064-3								
Cyanide, Total	112		87		80-120	**39**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1196095-2 WG1196095-3								
Cyanide, Total	103		101		85-115	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900836
Report Date: 01/15/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-07,09-10 QC Batch ID: WG1196064-4 WG1196064-5 QC Sample: L1900879-07 Client ID: MS Sample												
Cyanide, Total	ND	12	12	99		4.6	**39**	Q	75-125	**89**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1196095-4 WG1196095-5 QC Sample: L1900885-11 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.194	97		80-120	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900836

Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-10 QC Batch ID: WG1196026-1 QC Sample: L1900840-01 Client ID: DUP Sample						
Solids, Total	83.4	81.9	%	2		20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900836-01A	Vial HCl preserved	A	NA		5.0	Y	Absent		NYTCL-8260(14)
L1900836-01B	Vial HCl preserved	A	NA		5.0	Y	Absent		NYTCL-8260(14)
L1900836-01C	Vial HCl preserved	A	NA		5.0	Y	Absent		NYTCL-8260(14)
L1900836-01D	Plastic 250ml NaOH preserved	A	>12	>12	5.0	Y	Absent		TCN-9010(14)
L1900836-01E	Plastic 250ml HNO3 preserved	A	<2	<2	5.0	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1900836-01F	Plastic 250ml unpreserved	A	7	7	5.0	Y	Absent		-
L1900836-01G	Amber 120ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8082-LVI(7)
L1900836-01H	Amber 120ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8082-LVI(7)
L1900836-01I	Amber 120ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8081(7)
L1900836-01J	Amber 120ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8081(7)
L1900836-01K	Amber 250ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1900836-01L	Amber 250ml unpreserved	A	7	7	5.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1900836-01X	Plastic 250ml HNO3 preserved Filtrates	A	NA		5.0	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1900836-02A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-02B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900836-02C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-02D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-02E	Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14)
L1900836-02F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14)
L1900836-03A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-03B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-03C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-03D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-03F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-04A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-04B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-04C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-04D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-04F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-05A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-05B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-05C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-05D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900836-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-05F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-06A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-06B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-06C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-06D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-06F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-07A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-07B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-07C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-07D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-07F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-08A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-08B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-08C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-08D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-08E	Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14)
L1900836-08F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900836-09A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-09B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-09C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-09D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-09F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900836-10A	Vial MeOH preserved	A	NA		5.0	Y	Absent		NYTCL-8260HLW(14)
L1900836-10B	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-10C	Vial water preserved	A	NA		5.0	Y	Absent	09-JAN-19 03:18	NYTCL-8260HLW(14)
L1900836-10D	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1900836-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900836-10F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

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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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

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REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/9/19

ALPHA Job #: L1900836

Client Information
Client: Ramboll
Address: 101 Carnegie Ctr
Princeton NJ 08540
Phone: 609 243 9816
Fax:
Email: eddprinceton@ramboll.com

Project Information
Project Name: 47-50 30th St LIC
Project Location: 47-50 30th St LIC NY 11101
Project #: 1690010617-001
(Use Project name as Project #)
Project Manager: Matthew Sweet
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
of Days:

Deliverables
ASP-A
ASP-B
EQuIS (1 File)
EQuIS (4 File): X
Other

Billing Information
Same as Client Info
PO #: 1690010617-001

Regulatory Requirement
NY TOGS: X
AWQ Standards: X
NY Restricted Use: X
NY Unrestricted Use: X
NYC Sewer Discharge
NY Part 375: X
NY CP-51: X
Other

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
Send results to eddprinceton@ramboll.com

Please specify Metals or TAL.

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL+20	Dissolved Metals	VOC	SVOC	Total Bottle	Sample Specific Comments
00836-01	TW11-20190107	1/7/19	1750	AQ	MJS	X	X				
02	SB 8A-5501-20190107	1/7/19	1910	Soil	VS			X	X		
03	SB 11-5502-20190107	1/7/19	1610	Soil	VS	X					
04	SB 11-5501-20190107	1/7/19	1537	Soil	VS	X					
05	SB12-5501-20190107	1/7/19	1630	Soil	VS	X					
06	SB 6-5501-20190107	1/7/19	1935	Soil	VS	X					
07	SB 6-5502-20190107	1/7/19	1953	Soil	VS	X					
08	SB 8-5501-20190107	1/7/19	1800	Soil	VS			X	X		
09	SB 6-5503-20190107	1/7/19	2020	Soil	VS	X					
10	SB 12-5502-20190107	1/7/19	1670	Soil	VS	X					

ANALYSIS

Container Type: A, P, V, G, B
Preservative: B, C, E, D

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	1/8/19 13:45		1/8 1345
	1/8 1917		1/8/19 20:05
	1/9/19 00:45		1/9/19 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1900898
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH ST., LIC
Project Number:	1690010617-001
Report Date:	01/14/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1900898-01	SV6-20190107	SOIL_VAPOR	47-50 30TH ST., LIC, NY 11101	01/07/19 21:00	01/08/19

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1900898
Project Number:	1690010617-001	**Report Date:**	01/14/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 7, 2019. The canister certification results are provided as an addendum.

L1900898-01: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1900898-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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: 01/14/19

AIR

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900898
Report Date: 01/14/19

SAMPLE RESULTS

Lab ID: L1900898-01 D
Client ID: SV6-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 21:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/10/19 23:55
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.562	0.500	--	2.78	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	0.898	0.500	--	1.99	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethyl Alcohol	26.3	12.5	--	49.6	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	322	2.50	--	765	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
iso-Propyl Alcohol	55.0	1.25	--	135	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
tert-Butyl Alcohol	2.19	1.25	--	6.64	3.79	--		2.5
Methylene chloride	23.6	1.25	--	82.0	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	18.5	0.500	--	57.6	1.56	--		2.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	13.7	1.25	--	40.4	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

SAMPLE RESULTS

Lab ID: L1900898-01 D
Client ID: SV6-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 21:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

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	1.25	--	ND	4.50	--		2.5
Chloroform	1.30	0.500	--	6.35	2.44	--		2.5
Tetrahydrofuran	4.46	1.25	--	13.2	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	164	0.500	--	578	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	34.4	0.500	--	110	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	5.18	0.500	--	17.8	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Xylene (Total)	5.19	0.500	--	22.5	2.17	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	1.54	0.500	--	8.28	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	174	0.500	--	713	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	4.70	0.500	--	17.7	1.88	--		2.5
1,2-Dichloroethene (total)	ND	0.500	--	ND	1.98	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,3-Dichloropropene, Total	ND	0.500	--	ND	2.27	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

SAMPLE RESULTS

Lab ID: L1900898-01 D
Client ID: SV6-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 21:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:

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								
Tetrachloroethene	266	0.500	--	1800	3.39	--	E	2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	1.10	0.500	--	4.78	2.17	--		2.5
p/m-Xylene	3.33	1.00	--	14.5	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	1.86	0.500	--	8.08	2.17	--		2.5
4-Ethyltoluene	2.60	0.500	--	12.8	2.46	--		2.5
1,3,5-Trimethylbenzene	2.69	0.500	--	13.2	2.46	--		2.5
1,2,4-Trimethylbenzene	7.31	0.500	--	35.9	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

SAMPLE RESULTS

Lab ID: L1900898-01 D2
Client ID: SV6-20190107
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/07/19 21:00
Date Received: 01/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/12/19 03:06
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	258	1.00	--	1750	6.78	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900898
Report Date: 01/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/10/19 16:41

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 Batch: WG1196511-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900898
Report Date: 01/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/10/19 16:41

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 Batch: WG1196511-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1900898
Report Date: 01/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/10/19 16:41

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 Batch: WG1196511-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

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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 Batch: WG1196511-4								
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
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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

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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 Batch: WG1196511-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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

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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 Batch: WG1196933-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

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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 Batch: WG1196933-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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

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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 Batch: WG1196933-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

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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 Batch: WG1196933-4								
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
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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

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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 Batch: WG1196933-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196511-3								
Chlorodifluoromethane	89		-		70-130	-		
Propylene	108		-		70-130	-		
Propane	76		-		70-130	-		
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	109		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	108		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Butane	99		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethyl Alcohol	74		-		70-130	-		
Dichlorofluoromethane	90		-		70-130	-		
Vinyl bromide	110		-		70-130	-		
Acrolein	87		-		70-130	-		
Acetone	112		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	122		-		70-130	-		
iso-Propyl Alcohol	102		-		70-130	-		
Acrylonitrile	88		-		70-130	-		
Pentane	97		-		70-130	-		
Ethyl ether	88		-		70-130	-		

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196511-3								
1,1-Dichloroethene	109		-		70-130	-		
tert-Butyl Alcohol	82		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		-		70-130	-		
trans-1,2-Dichloroethene	105		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	106		-		70-130	-		
2-Butanone	101		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	113		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	102		-		70-130	-		
1,2-Dichloroethane	118		-		70-130	-		
n-Hexane	92		-		70-130	-		
Isopropyl Ether	81		-		70-130	-		
Ethyl-Tert-Butyl-Ether	71		-		70-130	-		
1,2-Dichloroethene (total)	106		-			-		
1,2-Dichloroethene (total)	106		-			-		
1,1,1-Trichloroethane	107		-		70-130	-		

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196511-3								
1,1-Dichloropropene	89		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	118		-		70-130	-		
Cyclohexane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	**67**	Q	-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	91		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl Methacrylate	94		-		70-130	-		
Heptane	90		-		70-130	-		
cis-1,3-Dichloropropene	92		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	83		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	95		-		70-130	-		
1,3-Dichloropropane	88		-		70-130	-		
2-Hexanone	85		-		70-130	-		
Dibromochloromethane	116		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Butyl Acetate	80		-		70-130	-		

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196511-3								
Octane	89		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	101		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	113		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	84		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	92		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
n-Propylbenzene	97		-		70-130	-		
p-Chlorotoluene	98		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
tert-Butylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	128		-		70-130	-		

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Lab Number: L1900898
Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196511-3								
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
sec-Butylbenzene	100		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
n-Butylbenzene	110		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	100		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Naphthalene	105		-		70-130	-		
1,2,3-Trichlorobenzene	102		-		70-130	-		
Hexachlorobutadiene	115		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196933-3								
Chlorodifluoromethane	96		-		70-130	-		
Propylene	108		-		70-130	-		
Propane	85		-		70-130	-		
Dichlorodifluoromethane	119		-		70-130	-		
Chloromethane	97		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	112		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Butane	98		-		70-130	-		
Bromomethane	112		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethyl Alcohol	76		-		70-130	-		
Dichlorofluoromethane	104		-		70-130	-		
Vinyl bromide	111		-		70-130	-		
Acrolein	87		-		70-130	-		
Acetone	113		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	125		-		70-130	-		
iso-Propyl Alcohol	99		-		70-130	-		
Acrylonitrile	90		-		70-130	-		
Pentane	101		-		70-130	-		
Ethyl ether	71		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196933-3								
1,1-Dichloroethene	110		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	101		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		-		70-130	-		
trans-1,2-Dichloroethene	107		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
Vinyl acetate	105		-		70-130	-		
2-Butanone	101		-		70-130	-		
cis-1,2-Dichloroethene	121		-		70-130	-		
Ethyl Acetate	106		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	101		-		70-130	-		
1,2-Dichloroethane	117		-		70-130	-		
n-Hexane	91		-		70-130	-		
Isopropyl Ether	78		-		70-130	-		
Ethyl-Tert-Butyl-Ether	**69**	Q	-		70-130	-		
1,2-Dichloroethene (total)	114		-			-		
1,2-Dichloroethene (total)	114		-			-		
1,1,1-Trichloroethane	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196933-3								
1,1-Dichloropropene	88		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	91		-		70-130	-		
Tertiary-Amyl Methyl Ether	**64**	Q	-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	91		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	96		-		70-130	-		
Methyl Methacrylate	93		-		70-130	-		
Heptane	89		-		70-130	-		
cis-1,3-Dichloropropene	90		-		70-130	-		
4-Methyl-2-pentanone	87		-		70-130	-		
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	91		-		70-130	-		
2-Hexanone	86		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		
Butyl Acetate	81		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196933-3								
Octane	92		-		70-130	-		
Tetrachloroethene	100		-		70-130	-		
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	95		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,2,3-Trichloropropane	96		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	101		-		70-130	-		
Bromobenzene	95		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	100		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Decane (C10)	102		-		70-130	-		
Benzyl chloride	128		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900898

Report Date: 01/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1196933-3								
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
sec-Butylbenzene	103		-		70-130	-		
p-Isopropyltoluene	100		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	108		-		70-130	-		
Undecane	105		-		70-130	-		
Dodecane (C12)	102		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Naphthalene	106		-		70-130	-		
1,2,3-Trichlorobenzene	103		-		70-130	-		
Hexachlorobutadiene	119		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196511-5 QC Sample: L1900914-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.537	0.541	ppbV	1		25
Chloromethane	0.486	0.496	ppbV	2		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	6.47	6.64	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	5.04	5.29	ppbV	5		25
Trichlorofluoromethane	0.267	0.276	ppbV	3		25
iso-Propyl Alcohol	0.652	0.643	ppbV	1		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	1.46	1.49	ppbV	2		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196511-5 QC Sample: L1900914-02 Client ID: DUP Sample						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.273	0.271	ppbV	1		25
Benzene	0.297	0.288	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylene (Total)	1.13	1.14	ppbV	1		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	8.64	8.68	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196511-5 QC Sample: L1900914-02 Client ID: DUP Sample						
Ethylbenzene	0.224	0.220	ppbV	2		25
p/m-Xylene	0.890	0.899	ppbV	1		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.239	0.240	ppbV	0		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196933-5 QC Sample: L1901251-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.537	0.550	ppbV	2		25
Chloromethane	0.547	0.552	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	565E	555E	ppbV	11		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	433	440	ppbV	2		25
Trichlorofluoromethane	0.283	0.282	ppbV	0		25
iso-Propyl Alcohol	188	194	ppbV	3		25
tert-Butyl Alcohol	0.617	0.634	ppbV	3		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	2.83	2.83	ppbV	0		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196933-5 QC Sample: L1901251-02 Client ID: DUP Sample						
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
Benzene	0.252	0.260	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
Xylene (Total)	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.500	0.511	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196933-5 QC Sample: L1901251-02 Client ID: DUP Sample						
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1196933-5 QC Sample: L1901251-02 Client ID: DUP Sample						
Ethyl Alcohol	620	611	ppbV	1		25

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1900898

Report Date: 01/14/19

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
L1900898-01	SV6-20190107	0124	Flow 4	01/07/19	282328		-	-	-	Pass	16.0	12.0	29
L1900898-01	SV6-20190107	483	2.7L Can	01/07/19	282328	L1900223-01	Pass	-29.4	-10.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/19 16:22
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1900223

Project Number: CANISTER QC BAT **Report Date:** 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1900223

Project Number: CANISTER QC BAT **Report Date:** 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/19 16:22
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/14/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1900898
Report Date: 01/14/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900898-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1900898
Project Number:	1690010617-001	**Report Date:**	01/14/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1900898
Project Number:	1690010617-001	**Report Date:**	01/14/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Kamboll
Address: 101 Carnegie Ctr
Princeton NJ 08540
Phone: 609 243 9816
Fax:
Email: edd princeton@kamboll.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 47-50 30th St LIC
Project Location: 47-50 30th St LIC
Project #: 1690010617-001
Project Manager: Matthew Sweet
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)
Eyus4
edd princeton@kamboll.com

Billing Information

☐ Same as Client info PO #:
1690010617-001

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	NYSDOH	Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Summer Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
	SV6-20190107	1/7/19	2100	2345	-29.8	-12.80	SV	MTS	2.7	483	0124	X					(21.5ppm)

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: SS 2.7 can

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:
	1/8/19 13:45		1/9 1315

Form No: 101-02 Rev: (25-Sep-15)

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 1/9/19

ALPHA Job #: L1908898

Client Information

Client: Ramboll
Address: 101 Carnegie Ctr
Princeton NJ 08540
Phone: 609 243 9816
Fax:
Email: edd princeton@ramboll.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 47-50 30th St LIC
Project Location: 47-50 30th St LIC
Project #: 1690010617-001
Project Manager: Matthew Swett
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Egus 4
Report to: (if different than Project Manager)
edd princeton@ramboll.com

Billing Information

☐ Same as Client info PO #:
1690010617-001

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	NYSDOH	Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
00898.01	SV6-20190107	1/7/19	2100		-29.8		SV	MTS	2.7	483	0124	X						(21.5ppm)

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: SS Can 2.7

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/8/19 13:45		1/9 1345
	1/8 1930		
	01/09/19 0525		01/09/19 0200
	01/09/19 0525		

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.

ANALYTICAL REPORT

Lab Number:	L1900984
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH, LIC
Project Number:	1690010617-001
Report Date:	01/18/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1900984-01	SB9-SS01-20190108	SOIL	47-50 30TH, LIC, NY 11101	01/08/19 17:50	01/09/19
L1900984-02	SB9-SS02-20190108	SOIL	47-50 30TH, LIC, NY 11101	01/08/19 18:05	01/09/19
L1900984-03	SB10-SS01-20190108	SOIL	47-50 30TH, LIC, NY 11101	01/08/19 16:23	01/09/19
L1900984-04	SB10-SS02-20190108	SOIL	47-50 30TH, LIC, NY 11101	01/08/19 17:13	01/09/19
L1900984-05	SB10-SS02DUP-20190108	SOIL	47-50 30TH, LIC, NY 11101	01/08/19 17:13	01/09/19
L1900984-06	TW10-20190108	WATER	47-50 30TH, LIC, NY 11101	01/08/19 18:45	01/09/19
L1900984-07	TW10-DUP-20190108	WATER	47-50 30TH, LIC, NY 11101	01/08/19 18:45	01/09/19
L1900984-08	FIELD BLANK-20190108	FIELD BLANK	47-50 30TH, LIC, NY 11101	01/08/19 00:00	01/09/19

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	47-50 30TH, LIC	**Lab Number:**	L1900984
Project Number:	1690010617-001	**Report Date:**	01/18/19

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1900984-06 and -07: The sample was received below the appropriate pH for the Total Cyanide analysis. The laboratory added additional NaOH to a pH >12.

Semivolatile Organics

L1900984-06, -07, and -08: The sample has elevated detection limits due to limited sample volume available for analysis.

Semivolatile Organics by SIM

The WG1196633-1 Method Blank, associated with L1900984-06 through -08, has a concentration above the reporting limit for Napthalene. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this analyte.

Pesticides

L1900984-02: The surrogate recoveries are outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (281%) and decachlorobiphenyl (301%/151%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals

L1900984-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L1900984-08: The Field Blank has results for barium, coppper and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Case Narrative (continued)

Dissolved Metals

L1900984-08: The Field Blank has a result for barium and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Cyanide, Total

The WG1196377-2 LCS recovery (79%), associated with L1900984-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1196879-3 LCSD recovery (69%), associated with L1900984-03 through -05, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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: Cristin Walker

Title: Technical Director/Representative Date: 01/18/19

ORGANICS

VOLATILES

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/19 16:03
Analyst: KJD
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01 Date Collected: 01/08/19 17:50

Client ID: SB9-SS01-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	0.56	J	ug/kg	1.9	0.53	1
o-Xylene	1.2		ug/kg	0.95	0.28	1
Xylenes, Total	1.8	J	ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	23		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	0.83	J	ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	4.3		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	6.2		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	18		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	95	33.	1
p-Diethylbenzene	0.54	J	ug/kg	1.9	0.17	1
p-Ethyltoluene	20		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	60.6	J	ug/kg			1
Unknown Alkane	2.54	J	ug/kg			1
Hexane, 2-methyl-	13.5	NJ	ug/kg			1
Unknown Benzene	7.58	J	ug/kg			1
Unknown	3.22	J	ug/kg			1
Benzene, 1-ethenyl-3-methyl-	3.42	NJ	ug/kg			1
Hexane, 3-methyl-	15.0	NJ	ug/kg			1
Unknown Alkane	3.17	J	ug/kg			1
Unknown Alkene	2.66	J	ug/kg			1
Pentane, 2,3-dimethyl-	4.48	NJ	ug/kg			1
Unknown	2.40	J	ug/kg			1
Heptane	2.62	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/19 16:31
Analyst: KJD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	0.61	J	ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02 Date Collected: 01/08/19 18:05

Client ID: SB9-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	0.53	J	ug/kg	0.92	0.27	1
Xylenes, Total	0.53	J	ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	98		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	10		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	0.43	J	ug/kg	0.92	0.10	1
p-Isopropyltoluene	1.4		ug/kg	0.92	0.10	1
Naphthalene	5.6		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	2.0		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	3.5		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	11		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	92	32.	1
p-Diethylbenzene	0.61	J	ug/kg	1.8	0.16	1
p-Ethyltoluene	9.9		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	2.8		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Tentatively Identified Compounds				
Total TIC Compounds	141	J	ug/kg	1
Unknown Aromatic	4.90	J	ug/kg	1
Unknown	15.3	J	ug/kg	1
Unknown	18.0	J	ug/kg	1
Unknown Aromatic	10.8	J	ug/kg	1
Acenaphthene	19.0	NJ	ug/kg	1
Hexane, 2-methyl-	5.56	NJ	ug/kg	1
Unknown	4.26	J	ug/kg	1
Unknown Aromatic	4.45	J	ug/kg	1
Unknown Aromatic	10.9	J	ug/kg	1
Unknown Benzene	10.1	J	ug/kg	1
Hexane, 3-methyl-	5.84	NJ	ug/kg	1
Unknown	4.16	J	ug/kg	1
Unknown	8.88	J	ug/kg	1
Unknown Naphthalene	5.26	J	ug/kg	1
Adamantane	13.1	NJ	ug/kg	1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/19 17:54
Analyst: KJD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	2.1		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	0.19	J	ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.58	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03 Date Collected: 01/08/19 16:23

Client ID: SB10-SS01-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	17		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.4	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	0.12	J	ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03 Date Collected: 01/08/19 16:23

Client ID: SB10-SS01-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.49	J	ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	1.2	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	2.4		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	100	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	2.4		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	16.1	J	ug/kg			1
1-Propene, 2-methyl-	2.85	NJ	ug/kg			1
Unknown Alkane	6.72	J	ug/kg			1
Unknown Alkane	2.29	J	ug/kg			1
Pentane, 2,3,4-trimethyl-	2.15	NJ	ug/kg			1
Unknown Alkane	2.12	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/19 16:59
Analyst: KJD
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.22	1
Carbon tetrachloride	ND		ug/kg	1.5	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.77	0.30	1
Chlorobenzene	ND		ug/kg	0.77	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.2	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.26	1
Bromodichloromethane	ND		ug/kg	0.77	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.77	0.25	1
Bromoform	ND		ug/kg	6.2	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.26	1
Benzene	ND		ug/kg	0.77	0.26	1
Toluene	1.1	J	ug/kg	1.5	0.84	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.2	1.4	1
Bromomethane	ND		ug/kg	3.1	0.90	1
Vinyl chloride	ND		ug/kg	1.5	0.52	1
Chloroethane	ND		ug/kg	3.1	0.70	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.87	1
o-Xylene	0.95	J	ug/kg	1.5	0.45	1
Xylenes, Total	0.95	J	ug/kg	1.5	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	200		ug/kg	15	7.4	1
Carbon disulfide	15		ug/kg	15	7.0	1
2-Butanone	30		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.23	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.30	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.26	1
Isopropylbenzene	0.69	J	ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	ND		ug/kg	6.2	1.0	1
Acrylonitrile	ND		ug/kg	6.2	1.8	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	3.6		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	6.3		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	18		ug/kg	3.1	0.52	1
1,4-Dioxane	ND		ug/kg	150	54.	1
p-Diethylbenzene	0.61	J	ug/kg	3.1	0.27	1
p-Ethyltoluene	18		ug/kg	3.1	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.30	1
Ethyl ether	ND		ug/kg	3.1	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	2.2	1
Tentatively Identified Compounds						
Total TIC Compounds	66.4	J	ug/kg			1
Unknown	5.48	J	ug/kg			1
Unknown	7.62	J	ug/kg			1
Unknown	11.6	J	ug/kg			1
Unknown	3.72	J	ug/kg			1
Unknown	5.50	J	ug/kg			1
Pentane, 2,3,4-trimethyl-	3.95	NJ	ug/kg			1
Unknown Alkane	3.85	J	ug/kg			1
Hexane, 3-methyl-	4.98	NJ	ug/kg			1
Unknown	5.53	J	ug/kg			1
Unknown Benzene	7.96	J	ug/kg			1
Unknown Alkane	6.21	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/19 17:26
Analyst: KJD
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02DUP-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	0.62	J	ug/kg	1.0	0.31	1
Xylenes, Total	0.62	J	ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	110		ug/kg	10	5.1	1
Carbon disulfide	6.4	J	ug/kg	10	4.8	1
2-Butanone	14		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	0.39	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02DUP-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.8		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	3.3		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	9.1		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	100	37.	1
p-Diethylbenzene	0.28	J	ug/kg	2.1	0.19	1
p-Ethyltoluene	9.2		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	26.3	J	ug/kg			1
Unknown	4.79	J	ug/kg			1
Hexane, 3-methyl-	4.70	NJ	ug/kg			1
Unknown Benzene	3.96	J	ug/kg			1
Unknown Alkane	2.53	J	ug/kg			1
Unknown Alkane	4.56	J	ug/kg			1
Unknown	2.76	J	ug/kg			1
1-Propene, 2-methyl-	3.01	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/10/19 18:51
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06 Date Collected: 01/08/19 18:45

Client ID: TW10-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.3	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	0.94	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/10/19 19:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.9		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07 Date Collected: 01/08/19 18:45

Client ID: TW10-DUP-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.2	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	0.94	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 01/10/19 12:45
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08 Date Collected: 01/08/19 00:00

Client ID: FIELD BLANK-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 11:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1196485-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 11:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1196485-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 11:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1196485-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 11:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1196485-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 16:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1196584-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 16:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1196584-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 16:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1196584-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/10/19 16:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1196584-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 09:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1197464-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 09:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1197464-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 09:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1197464-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 09:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1197464-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1196485-3 WG1196485-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	95		94		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	98		99		63-130	1		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	93		91		70-130	2		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	86		87		62-150	1		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	94		94		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	93		95		70-130	2		20
Bromoform	96		97		54-136	1		20
1,1,2,2-Tetrachloroethane	96		95		67-130	1		20
Benzene	98		98		70-130	0		20
Toluene	99		97		70-130	2		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	65		68		64-130	5		20
Bromomethane	**37**	Q	**37**	Q	39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1196485-3 WG1196485-4								
Vinyl chloride	95		95		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	96		94		64-130	2		20
Acrylonitrile	100		97		70-130	3		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	62		62		36-147	0		20
Acetone	62		61		58-148	2		20
Carbon disulfide	98		98		51-130	0		20
2-Butanone	82		80		63-138	2		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	84		80		59-130	5		20
2-Hexanone	76		76		57-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1196485-3 WG1196485-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	83		82		53-136	1		20
sec-Butylbenzene	85		84		70-130	1		20
tert-Butylbenzene	86		85		70-130	1		20
o-Chlorotoluene	93		92		70-130	1		20
p-Chlorotoluene	94		93		70-130	1		20
1,2-Dibromo-3-chloropropane	87		88		41-144	1		20
Hexachlorobutadiene	65		66		63-130	2		20
Isopropylbenzene	90		88		70-130	2		20
p-Isopropyltoluene	86		84		70-130	2		20
Naphthalene	83		81		70-130	2		20
n-Propylbenzene	90		88		69-130	2		20
1,2,3-Trichlorobenzene	87		85		70-130	2		20
1,2,4-Trichlorobenzene	86		86		70-130	0		20
1,3,5-Trimethylbenzene	93		92		64-130	1		20
1,2,4-Trimethylbenzene	92		90		70-130	2		20
1,4-Dioxane	78		106		56-162	**30**	Q	20
p-Diethylbenzene	84		83		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1196485-3 WG1196485-4								
p-Ethyltoluene	91		90		70-130	1		20
1,2,4,5-Tetramethylbenzene	82		82		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	92		88		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	94		92		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1196584-3 WG1196584-4								
Methylene chloride	87		84		70-130	4		20
1,1-Dichloroethane	88		88		70-130	0		20
Chloroform	88		86		70-130	2		20
Carbon tetrachloride	81		79		63-132	3		20
1,2-Dichloropropane	91		89		70-130	2		20
Dibromochloromethane	92		88		63-130	4		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	86		84		70-130	2		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	85		80		62-150	6		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	81		79		67-130	3		20
Bromodichloromethane	89		87		67-130	2		20
trans-1,3-Dichloropropene	81		79		70-130	3		20
cis-1,3-Dichloropropene	79		77		70-130	3		20
1,1-Dichloropropene	93		90		70-130	3		20
Bromoform	97		97		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	88		87		70-130	1		20
Toluene	100		96		70-130	4		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	**61**	Q	**60**	Q	64-130	2		20
Bromomethane	**36**	Q	**35**	Q	39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1196584-3 WG1196584-4								
Vinyl chloride	85		82		55-140	4		20
Chloroethane	87		84		55-138	4		20
1,1-Dichloroethene	85		81		61-145	5		20
trans-1,2-Dichloroethene	84		84		70-130	0		20
Trichloroethene	86		84		70-130	2		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	72		71		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	83		84		70-130	1		20
Dibromomethane	87		85		70-130	2		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	56		53		36-147	6		20
Acetone	110		110		58-148	0		20
Carbon disulfide	76		75		51-130	1		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	99		100		59-130	1		20
2-Hexanone	110		110		57-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1196584-3 WG1196584-4								
Bromochloromethane	85		83		70-130	2		20
2,2-Dichloropropane	**60**	Q	**56**	Q	63-133	7		20
1,2-Dibromoethane	96		93		70-130	3		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	92		87		64-130	6		20
Bromobenzene	99		97		70-130	2		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	90		91		41-144	1		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	120		120		69-130	0		20
1,2,3-Trichlorobenzene	93		91		70-130	2		20
1,2,4-Trichlorobenzene	98		96		70-130	2		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	116		120		56-162	3		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1196584-3 WG1196584-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	88		86		59-134	2		20
trans-1,4-Dichloro-2-butene	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	109		107		70-130
4-Bromofluorobenzene	107		110		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1197464-3 WG1197464-4								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	97		97		70-130	0		30
Chloroform	92		94		70-130	2		30
Carbon tetrachloride	90		92		70-130	2		30
1,2-Dichloropropane	99		100		70-130	1		30
Dibromochloromethane	99		101		70-130	2		30
1,1,2-Trichloroethane	101		102		70-130	1		30
Tetrachloroethene	111		108		70-130	3		30
Chlorobenzene	105		105		70-130	0		30
Trichlorofluoromethane	86		85		70-139	1		30
1,2-Dichloroethane	87		87		70-130	0		30
1,1,1-Trichloroethane	91		92		70-130	1		30
Bromodichloromethane	92		94		70-130	2		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	92		92		70-130	0		30
1,1-Dichloropropene	102		100		70-130	2		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	98		99		70-130	1		30
Benzene	99		100		70-130	1		30
Toluene	106		105		70-130	1		30
Ethylbenzene	107		107		70-130	0		30
Chloromethane	128		107		52-130	18		30
Bromomethane	104		100		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1197464-3 WG1197464-4								
Vinyl chloride	95		92		67-130	3		30
Chloroethane	91		88		50-151	3		30
1,1-Dichloroethene	87		86		65-135	1		30
trans-1,2-Dichloroethene	102		102		70-130	0		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	106		107		70-130	1		30
1,3-Dichlorobenzene	107		108		70-130	1		30
1,4-Dichlorobenzene	104		105		70-130	1		30
Methyl tert butyl ether	94		94		66-130	0		30
p/m-Xylene	113		114		70-130	1		30
o-Xylene	112		112		70-130	0		30
cis-1,2-Dichloroethene	99		100		70-130	1		30
Dibromomethane	93		95		70-130	2		30
Styrene	102		103		70-130	1		30
Dichlorodifluoromethane	88		84		30-146	5		30
Acetone	96		86		54-140	11		30
Carbon disulfide	84		83		59-130	1		30
2-Butanone	95		88		70-130	8		30
Vinyl acetate	88		87		70-130	1		30
4-Methyl-2-pentanone	93		92		70-130	1		30
1,2,3-Trichloropropane	92		93		68-130	1		30
2-Hexanone	89		93		70-130	4		30
Bromochloromethane	101		101		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1197464-3 WG1197464-4								
2,2-Dichloropropane	94		94		70-130	0		30
1,2-Dibromoethane	103		105		70-130	2		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	101		103		70-130	2		30
Bromobenzene	105		107		70-130	2		30
n-Butylbenzene	111		114		70-130	3		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	111		111		70-130	0		30
o-Chlorotoluene	102		104		70-130	2		30
p-Chlorotoluene	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	87		88		68-130	1		30
Hexachlorobutadiene	115		115		67-130	0		30
Isopropylbenzene	110		109		70-130	1		30
p-Isopropyltoluene	114		115		70-130	1		30
Naphthalene	107		107		70-130	0		30
Acrylonitrile	95		94		70-130	1		30
n-Propylbenzene	107		108		70-130	1		30
1,2,3-Trichlorobenzene	114		114		70-130	0		30
1,2,4-Trichlorobenzene	118		119		70-130	1		30
1,3,5-Trimethylbenzene	108		108		70-130	0		30
1,2,4-Trimethylbenzene	109		110		70-130	1		30
1,4-Dioxane	90		94		65-136	4		30
p-Diethylbenzene	117		116		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1197464-3 WG1197464-4								
p-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	114		113		70-130	1		30
Ethyl ether	92		89		67-130	3		30
trans-1,4-Dichloro-2-butene	85		81		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		83		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	94		95		70-130

SEMIVOLATILES

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 13:36
Analyst: EK
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	290		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	28	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01 Date Collected: 01/08/19 17:50

Client ID: SB9-SS01-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	160		ug/kg	100	20.	1
Benzo(a)pyrene	160		ug/kg	140	42.	1
Benzo(b)fluoranthene	230		ug/kg	100	29.	1
Benzo(k)fluoranthene	76	J	ug/kg	100	28.	1
Chrysene	160		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	40	J	ug/kg	100	34.	1
Benzo(ghi)perylene	80	J	ug/kg	140	20.	1
Fluorene	17	J	ug/kg	170	17.	1
Phenanthrene	160		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	91	J	ug/kg	140	24.	1
Pyrene	250		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	61	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	21	J	ug/kg	170	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	1120	J	ug/kg			1
Unknown	372	J	ug/kg			1
Unknown Amide	421	J	ug/kg			1
Unknown	328	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	89		18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02 D2
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/16/19 04:16
Analyst: RC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	190000		ug/kg	11000	2100	100
Benzo(a)anthracene	92000		ug/kg	11000	2000	100
Benzo(b)fluoranthene	82000		ug/kg	11000	3000	100
Chrysene	78000		ug/kg	11000	1900	100
Phenanthrene	210000		ug/kg	11000	2200	100
Pyrene	160000		ug/kg	11000	1800	100

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02 D
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 16:36
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	16000		ug/kg	1400	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	310	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	180000	E	ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	240	10
Naphthalene	6600		ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1400	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	630	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	620	10

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02 D Date Collected: 01/08/19 18:05

Client ID: SB9-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	81000	E	ug/kg	1100	200	10
Benzo(a)pyrene	68000		ug/kg	1400	440	10
Benzo(b)fluoranthene	86000	E	ug/kg	1100	300	10
Benzo(k)fluoranthene	27000		ug/kg	1100	290	10
Chrysene	74000	E	ug/kg	1100	190	10
Acenaphthylene	11000		ug/kg	1400	280	10
Anthracene	55000		ug/kg	1100	350	10
Benzo(ghi)perylene	33000		ug/kg	1400	210	10
Fluorene	34000		ug/kg	1800	180	10
Phenanthrene	170000	E	ug/kg	1100	220	10
Dibenzo(a,h)anthracene	9600		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	38000		ug/kg	1400	250	10
Pyrene	150000	E	ug/kg	1100	180	10
Biphenyl	3600	J	ug/kg	4100	420	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	750	10
Dibenzofuran	18000		ug/kg	1800	170	10
2-Methylnaphthalene	7000		ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	3900	680	10
4-Nitrophenol	ND		ug/kg	2500	740	10
2,4-Dinitrophenol	ND		ug/kg	8700	840	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	870	10
Pentachlorophenol	ND		ug/kg	1400	400	10
Phenol	ND		ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	460	J	ug/kg	2600	280	10

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02 D Date Collected: 01/08/19 18:05

Client ID: SB9-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5900	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	14000		ug/kg	1800	180	10
Tentatively Identified Compounds						
Total TIC Compounds	518000	J	ug/kg			10
Unknown PAH	39800	J	ug/kg			10
Unknown PAH	41300	J	ug/kg			10
Unknown	15200	J	ug/kg			10
Unknown	65100	J	ug/kg			10
Unknown PAH	51100	J	ug/kg			10
Unknown PAH	45400	J	ug/kg			10
Unknown	35500	J	ug/kg			10
Unknown PAH	18300	J	ug/kg			10
Unknown Thiophene	21200	J	ug/kg			10
Unknown	23300	J	ug/kg			10
Unknown	77900	J	ug/kg			10
Unknown PAH	19900	J	ug/kg			10
Unknown	18400	J	ug/kg			10
Unknown Ketone	17900	J	ug/kg			10
Unknown	27400	J	ug/kg			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	114		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	**123**	Q	18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 15:44
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	760		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	36	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03 Date Collected: 01/08/19 16:23

Client ID: SB10-SS01-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	390		ug/kg	110	20.	1
Benzo(a)pyrene	380		ug/kg	140	43.	1
Benzo(b)fluoranthene	530		ug/kg	110	30.	1
Benzo(k)fluoranthene	160		ug/kg	110	28.	1
Chrysene	390		ug/kg	110	18.	1
Acenaphthylene	32	J	ug/kg	140	27.	1
Anthracene	110		ug/kg	110	35.	1
Benzo(ghi)perylene	230		ug/kg	140	21.	1
Fluorene	44	J	ug/kg	180	17.	1
Phenanthrene	440		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	80	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	140	25.	1
Pyrene	640		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	28	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	84	J	ug/kg	180	54.	1
Carbazole	58	J	ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	849	J	ug/kg			1
Unknown PAH	297	J	ug/kg			1
Unknown	236	J	ug/kg			1
Unknown	316	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	79		18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 12:45
Analyst: EK
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	140	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	39.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	39.	1
Fluoranthene	160		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	40	J	ug/kg	220	28.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	78.	1
Butyl benzyl phthalate	ND		ug/kg	220	57.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	77.	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	85	J	ug/kg	140	25.	1
Benzo(a)pyrene	82	J	ug/kg	180	55.	1
Benzo(b)fluoranthene	100	J	ug/kg	140	38.	1
Benzo(k)fluoranthene	ND		ug/kg	140	36.	1
Chrysene	83	J	ug/kg	140	23.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	44.	1
Benzo(ghi)perylene	54	J	ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	22.	1
Phenanthrene	100	J	ug/kg	140	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	57	J	ug/kg	180	31.	1
Pyrene	160		ug/kg	140	22.	1
Biphenyl	ND		ug/kg	520	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	44.	1
3-Nitroaniline	ND		ug/kg	220	43.	1
4-Nitroaniline	ND		ug/kg	220	94.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	24.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	220	34.	1
2-Chlorophenol	ND		ug/kg	220	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	69.	1
Carbazole	ND		ug/kg	220	22.	1
Tentatively Identified Compounds						
Total TIC Compounds	3900	J	ug/kg			1
Unknown	536	J	ug/kg			1
Unknown	342	J	ug/kg			1
Unknown	214	J	ug/kg			1
Unknown	234	J	ug/kg			1
Unknown	982	J	ug/kg			1
Unknown	220	J	ug/kg			1
Unknown	261	J	ug/kg			1
Unknown	347	J	ug/kg			1
Sulfur	547	NJ	ug/kg			1
Unknown	219	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	70		18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/14/19 13:10
Analyst: EK
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	67	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05 Date Collected: 01/08/19 17:13

Client ID: SB10-SS02DUP-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	41	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	54	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	37	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	30	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	37	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	32	J	ug/kg	160	28.	1
Pyrene	65	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
Tentatively Identified Compounds						
Total TIC Compounds	1100	J	ug/kg			1
Sulfur	460	NJ	ug/kg			1
Unknown	176	J	ug/kg			1
Unknown	188	J	ug/kg			1
Unknown	277	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	75		18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/16/19 03:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/15/19 11:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	9.8	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	3.9	0.99	1
1,2-Dichlorobenzene	ND		ug/l	3.9	0.89	1
1,3-Dichlorobenzene	ND		ug/l	3.9	0.79	1
1,4-Dichlorobenzene	ND		ug/l	3.9	0.85	1
3,3'-Dichlorobenzidine	ND		ug/l	9.8	3.2	1
2,4-Dinitrotoluene	ND		ug/l	9.8	2.3	1
2,6-Dinitrotoluene	ND		ug/l	9.8	1.8	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.9	0.96	1
4-Bromophenyl phenyl ether	ND		ug/l	3.9	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.9	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	9.8	0.98	1
Hexachlorocyclopentadiene	ND		ug/l	39	1.4	1
Isophorone	ND		ug/l	9.8	2.4	1
Nitrobenzene	ND		ug/l	3.9	1.5	1
NDPA/DPA	ND		ug/l	3.9	0.82	1
n-Nitrosodi-n-propylamine	ND		ug/l	9.8	1.3	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.9	3.0	1
Butyl benzyl phthalate	ND		ug/l	9.8	2.3	1
Di-n-butylphthalate	ND		ug/l	9.8	0.76	1
Di-n-octylphthalate	ND		ug/l	9.8	2.5	1
Diethyl phthalate	ND		ug/l	9.8	0.75	1
Dimethyl phthalate	ND		ug/l	9.8	3.6	1
Biphenyl	ND		ug/l	3.9	0.90	1
4-Chloroaniline	ND		ug/l	9.8	2.1	1
2-Nitroaniline	ND		ug/l	9.8	0.98	1
3-Nitroaniline	ND		ug/l	9.8	1.6	1
4-Nitroaniline	ND		ug/l	9.8	1.6	1

Project Name: 47-50 30TH, LIC **Lab Number:** L1900984

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06 Date Collected: 01/08/19 18:45

Client ID: TW10-20190108 Date Received: 01/09/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	3.9	0.98	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	20	0.86	1
Acetophenone	ND		ug/l	9.8	1.0	1
2,4,6-Trichlorophenol	ND		ug/l	9.8	1.2	1
p-Chloro-m-cresol	ND		ug/l	3.9	0.69	1
2-Chlorophenol	ND		ug/l	3.9	0.94	1
2,4-Dichlorophenol	ND		ug/l	9.8	0.81	1
2,4-Dimethylphenol	ND		ug/l	9.8	3.5	1
2-Nitrophenol	ND		ug/l	20	1.7	1
4-Nitrophenol	ND		ug/l	20	1.3	1
2,4-Dinitrophenol	ND		ug/l	39	13.	1
4,6-Dinitro-o-cresol	ND		ug/l	20	3.6	1
Phenol	ND		ug/l	9.8	1.1	1
2-Methylphenol	ND		ug/l	9.8	0.96	1
3-Methylphenol/4-Methylphenol	ND		ug/l	9.8	0.94	1
2,4,5-Trichlorophenol	ND		ug/l	9.8	1.5	1
Benzoic Acid	ND		ug/l	98	5.2	1
Benzyl Alcohol	ND		ug/l	3.9	1.2	1
Carbazole	ND		ug/l	3.9	0.96	1

Tentatively Identified Compounds						
Total TIC Compounds	90.6	J	ug/l			1
Aldol Condensates	60.6	J	ug/l			1
Unknown	23.3	J	ug/l			1
Unknown Benzene	3.07	J	ug/l			1
Unknown	3.64	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	51		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 20:12
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.22		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	JB	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.11		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Chrysene	0.11		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.24		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.28		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	33		10-120
4-Terphenyl-d14	49		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/16/19 03:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/15/19 11:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	9.8	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	3.9	0.99	1
1,2-Dichlorobenzene	ND		ug/l	3.9	0.89	1
1,3-Dichlorobenzene	ND		ug/l	3.9	0.79	1
1,4-Dichlorobenzene	ND		ug/l	3.9	0.85	1
3,3'-Dichlorobenzidine	ND		ug/l	9.8	3.2	1
2,4-Dinitrotoluene	ND		ug/l	9.8	2.3	1
2,6-Dinitrotoluene	ND		ug/l	9.8	1.8	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.9	0.96	1
4-Bromophenyl phenyl ether	ND		ug/l	3.9	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.9	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	9.8	0.98	1
Hexachlorocyclopentadiene	ND		ug/l	39	1.4	1
Isophorone	ND		ug/l	9.8	2.4	1
Nitrobenzene	ND		ug/l	3.9	1.5	1
NDPA/DPA	ND		ug/l	3.9	0.82	1
n-Nitrosodi-n-propylamine	ND		ug/l	9.8	1.3	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.9	3.0	1
Butyl benzyl phthalate	ND		ug/l	9.8	2.3	1
Di-n-butylphthalate	ND		ug/l	9.8	0.76	1
Di-n-octylphthalate	ND		ug/l	9.8	2.5	1
Diethyl phthalate	ND		ug/l	9.8	0.75	1
Dimethyl phthalate	ND		ug/l	9.8	3.6	1
Biphenyl	ND		ug/l	3.9	0.90	1
4-Chloroaniline	ND		ug/l	9.8	2.1	1
2-Nitroaniline	ND		ug/l	9.8	0.98	1
3-Nitroaniline	ND		ug/l	9.8	1.6	1
4-Nitroaniline	ND		ug/l	9.8	1.6	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	3.9	0.98	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	20	0.86	1
Acetophenone	ND		ug/l	9.8	1.0	1
2,4,6-Trichlorophenol	ND		ug/l	9.8	1.2	1
p-Chloro-m-cresol	ND		ug/l	3.9	0.69	1
2-Chlorophenol	ND		ug/l	3.9	0.94	1
2,4-Dichlorophenol	ND		ug/l	9.8	0.81	1
2,4-Dimethylphenol	ND		ug/l	9.8	3.5	1
2-Nitrophenol	ND		ug/l	20	1.7	1
4-Nitrophenol	ND		ug/l	20	1.3	1
2,4-Dinitrophenol	ND		ug/l	39	13.	1
4,6-Dinitro-o-cresol	ND		ug/l	20	3.6	1
Phenol	ND		ug/l	9.8	1.1	1
2-Methylphenol	ND		ug/l	9.8	0.96	1
3-Methylphenol/4-Methylphenol	ND		ug/l	9.8	0.94	1
2,4,5-Trichlorophenol	ND		ug/l	9.8	1.5	1
Benzoic Acid	ND		ug/l	98	5.2	1
Benzyl Alcohol	ND		ug/l	3.9	1.2	1
Carbazole	ND		ug/l	3.9	0.96	1

Tentatively Identified Compounds						
Total TIC Compounds	77.3	J	ug/l			1
Unknown	5.00	J	ug/l			1
Unknown Organic Acid	5.07	J	ug/l			1
Unknown Alcohol	26.3	J	ug/l			1
Unknown	3.78	J	ug/l			1
Cyclic Octaatomic Sulfur	2.93	NJ	ug/l			1
Aldol Condensates	34.2	J	ug/l			1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	64		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/18/19 15:08
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.16		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.11		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.10		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.11		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.08	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.16		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.01	1
Pyrene	0.21		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	13		10-120
4-Terphenyl-d14	49		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 01/16/19 04:13
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/15/19 11:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	9.8	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	3.9	0.99	1
1,2-Dichlorobenzene	ND		ug/l	3.9	0.89	1
1,3-Dichlorobenzene	ND		ug/l	3.9	0.79	1
1,4-Dichlorobenzene	ND		ug/l	3.9	0.85	1
3,3'-Dichlorobenzidine	ND		ug/l	9.8	3.2	1
2,4-Dinitrotoluene	ND		ug/l	9.8	2.3	1
2,6-Dinitrotoluene	ND		ug/l	9.8	1.8	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.9	0.96	1
4-Bromophenyl phenyl ether	ND		ug/l	3.9	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.9	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	9.8	0.98	1
Hexachlorocyclopentadiene	ND		ug/l	39	1.4	1
Isophorone	ND		ug/l	9.8	2.4	1
Nitrobenzene	ND		ug/l	3.9	1.5	1
NDPA/DPA	ND		ug/l	3.9	0.82	1
n-Nitrosodi-n-propylamine	ND		ug/l	9.8	1.3	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.9	3.0	1
Butyl benzyl phthalate	ND		ug/l	9.8	2.3	1
Di-n-butylphthalate	ND		ug/l	9.8	0.76	1
Di-n-octylphthalate	ND		ug/l	9.8	2.5	1
Diethyl phthalate	ND		ug/l	9.8	0.75	1
Dimethyl phthalate	ND		ug/l	9.8	3.6	1
Biphenyl	ND		ug/l	3.9	0.90	1
4-Chloroaniline	ND		ug/l	9.8	2.1	1
2-Nitroaniline	ND		ug/l	9.8	0.98	1
3-Nitroaniline	ND		ug/l	9.8	1.6	1
4-Nitroaniline	ND		ug/l	9.8	1.6	1

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	3.9	0.98	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	20	0.86	1
Acetophenone	ND		ug/l	9.8	1.0	1
2,4,6-Trichlorophenol	ND		ug/l	9.8	1.2	1
p-Chloro-m-cresol	ND		ug/l	3.9	0.69	1
2-Chlorophenol	ND		ug/l	3.9	0.94	1
2,4-Dichlorophenol	ND		ug/l	9.8	0.81	1
2,4-Dimethylphenol	ND		ug/l	9.8	3.5	1
2-Nitrophenol	ND		ug/l	20	1.7	1
4-Nitrophenol	ND		ug/l	20	1.3	1
2,4-Dinitrophenol	ND		ug/l	39	13.	1
4,6-Dinitro-o-cresol	ND		ug/l	20	3.6	1
Phenol	ND		ug/l	9.8	1.1	1
2-Methylphenol	ND		ug/l	9.8	0.96	1
3-Methylphenol/4-Methylphenol	ND		ug/l	9.8	0.94	1
2,4,5-Trichlorophenol	ND		ug/l	9.8	1.5	1
Benzoic Acid	ND		ug/l	98	5.2	1
Benzyl Alcohol	ND		ug/l	3.9	1.2	1
Carbazole	ND		ug/l	3.9	0.96	1

Tentatively Identified Compounds						
Total TIC Compounds	61.9	J	ug/l			1
Unknown	3.78	J	ug/l			1
Aldol Condensates	35.9	J	ug/l			1
Unknown	3.14	J	ug/l			1
Unknown	3.93	J	ug/l			1
Unknown	3.50	J	ug/l			1
Unknown	6.78	J	ug/l			1
Unknown	4.86	J	ug/l			1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	63		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 01/14/19 23:26
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.01	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	70		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/11/19 11:15
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 01/10/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1196339-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/11/19 11:15
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 01/10/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1196339-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/11/19 11:15
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 01/10/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1196339-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds			
Total TIC Compounds	493	J	ug/kg
Unknown	205	J	ug/kg
Unknown	145	J	ug/kg
Unknown	143	J	ug/kg

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/11/19 11:15
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 01/10/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1196339-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	113		10-136
4-Terphenyl-d14	104		18-120

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/14/19 11:38
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/11/19 03:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-08 Batch: WG1196633-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.16		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/14/19 11:38
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/11/19 03:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-08 Batch: WG1196633-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	90		41-149

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1197576-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1197576-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1197576-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	56.4	J	ug/l
Aldol Condensates	48.0	J	ug/l
Unknown	4.91	J	ug/l
Unknown	1.93	J	ug/l
Unknown	1.60	J	ug/l

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1197576-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1196339-2 WG1196339-3								
Acenaphthene	68		77		31-137	12		50
1,2,4-Trichlorobenzene	74		81		38-107	9		50
Hexachlorobenzene	85		97		40-140	13		50
Bis(2-chloroethyl)ether	67		67		40-140	0		50
2-Chloronaphthalene	76		94		40-140	21		50
1,2-Dichlorobenzene	66		71		40-140	7		50
1,3-Dichlorobenzene	66		69		40-140	4		50
1,4-Dichlorobenzene	66		70		28-104	6		50
3,3'-Dichlorobenzidine	70		79		40-140	12		50
2,4-Dinitrotoluene	71		84		40-132	17		50
2,6-Dinitrotoluene	82		100		40-140	20		50
Fluoranthene	85		96		40-140	12		50
4-Chlorophenyl phenyl ether	73		84		40-140	14		50
4-Bromophenyl phenyl ether	81		91		40-140	12		50
Bis(2-chloroisopropyl)ether	63		70		40-140	11		50
Bis(2-chloroethoxy)methane	69		78		40-117	12		50
Hexachlorobutadiene	82		92		40-140	11		50
Hexachlorocyclopentadiene	77		86		40-140	11		50
Hexachloroethane	64		68		40-140	6		50
Isophorone	72		79		40-140	9		50
Naphthalene	72		82		40-140	13		50
Nitrobenzene	66		75		40-140	13		50
NDPA/DPA	76		85		36-157	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1196339-2 WG1196339-3								
n-Nitrosodi-n-propylamine	69		79		32-121	14		50
Bis(2-ethylhexyl)phthalate	79		85		40-140	7		50
Butyl benzyl phthalate	83		94		40-140	12		50
Di-n-butylphthalate	80		96		40-140	18		50
Di-n-octylphthalate	78		87		40-140	11		50
Diethyl phthalate	72		84		40-140	15		50
Dimethyl phthalate	89		100		40-140	12		50
Benzo(a)anthracene	76		87		40-140	13		50
Benzo(a)pyrene	86		90		40-140	5		50
Benzo(b)fluoranthene	81		93		40-140	14		50
Benzo(k)fluoranthene	86		94		40-140	9		50
Chrysene	80		86		40-140	7		50
Acenaphthylene	87		97		40-140	11		50
Anthracene	80		92		40-140	14		50
Benzo(ghi)perylene	81		96		40-140	17		50
Fluorene	72		84		40-140	15		50
Phenanthrene	77		86		40-140	11		50
Dibenzo(a,h)anthracene	80		88		40-140	10		50
Indeno(1,2,3-cd)pyrene	82		88		40-140	7		50
Pyrene	82		97		35-142	17		50
Biphenyl	77		92		54-104	18		50
4-Chloroaniline	48		56		40-140	15		50
2-Nitroaniline	84		96		47-134	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1196339-2 WG1196339-3								
3-Nitroaniline	57		61		26-129	7		50
4-Nitroaniline	62		74		41-125	18		50
Dibenzofuran	70		82		40-140	16		50
2-Methylnaphthalene	73		86		40-140	16		50
1,2,4,5-Tetrachlorobenzene	87		97		40-117	11		50
Acetophenone	68		76		14-144	11		50
2,4,6-Trichlorophenol	90		102		30-130	13		50
p-Chloro-m-cresol	84		101		26-103	18		50
2-Chlorophenol	72		80		25-102	11		50
2,4-Dichlorophenol	81		92		30-130	13		50
2,4-Dimethylphenol	81		90		30-130	11		50
2-Nitrophenol	70		79		30-130	12		50
4-Nitrophenol	77		94		11-114	20		50
2,4-Dinitrophenol	55		55		4-130	0		50
4,6-Dinitro-o-cresol	73		80		10-130	9		50
Pentachlorophenol	75		81		17-109	8		50
Phenol	70		78		26-90	11		50
2-Methylphenol	74		81		30-130.	9		50
3-Methylphenol/4-Methylphenol	76		82		30-130	8		50
2,4,5-Trichlorophenol	95		110		30-130	15		50
Benzoic Acid	24		30		10-110	22		50
Benzyl Alcohol	76		84		40-140	10		50
Carbazole	80		90		54-128	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1196339-2 WG1196339-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		72		25-120
Phenol-d6	73		79		10-120
Nitrobenzene-d5	68		74		23-120
2-Fluorobiphenyl	83		92		30-120
2,4,6-Tribromophenol	91		101		10-136
4-Terphenyl-d14	89		94		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-08 Batch: WG1196633-2 WG1196633-3								
Acenaphthene	82		87		40-140	6		40
2-Chloronaphthalene	75		79		40-140	5		40
Fluoranthene	90		97		40-140	7		40
Hexachlorobutadiene	76		79		40-140	4		40
Naphthalene	75		78		40-140	4		40
Benzo(a)anthracene	88		96		40-140	9		40
Benzo(a)pyrene	96		106		40-140	10		40
Benzo(b)fluoranthene	97		102		40-140	5		40
Benzo(k)fluoranthene	98		109		40-140	11		40
Chrysene	87		94		40-140	8		40
Acenaphthylene	82		87		40-140	6		40
Anthracene	89		97		40-140	9		40
Benzo(ghi)perylene	91		100		40-140	9		40
Fluorene	84		90		40-140	7		40
Phenanthrene	87		94		40-140	8		40
Dibenzo(a,h)anthracene	94		103		40-140	9		40
Indeno(1,2,3-cd)pyrene	94		103		40-140	9		40
Pyrene	89		97		40-140	9		40
2-Methylnaphthalene	75		78		40-140	4		40
Pentachlorophenol	82		92		40-140	11		40
Hexachlorobenzene	89		95		40-140	7		40
Hexachloroethane	78		81		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-08 Batch: WG1196633-2 WG1196633-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		60		21-120
Phenol-d6	49		50		10-120
Nitrobenzene-d5	78		82		23-120
2-Fluorobiphenyl	78		82		15-120
2,4,6-Tribromophenol	78		87		10-120
4-Terphenyl-d14	83		89		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1197576-2 WG1197576-3								
Acenaphthene	60		72		37-111	18		30
1,2,4-Trichlorobenzene	65		85		39-98	27		30
Hexachlorobenzene	61		73		40-140	18		30
Bis(2-chloroethyl)ether	61		74		40-140	19		30
2-Chloronaphthalene	67		77		40-140	14		30
1,2-Dichlorobenzene	67		72		40-140	7		30
1,3-Dichlorobenzene	61		71		40-140	15		30
1,4-Dichlorobenzene	61		71		36-97	15		30
3,3'-Dichlorobenzidine	66		72		40-140	9		30
2,4-Dinitrotoluene	63		77		48-143	20		30
2,6-Dinitrotoluene	70		87		40-140	22		30
Fluoranthene	68		80		40-140	16		30
4-Chlorophenyl phenyl ether	65		76		40-140	16		30
4-Bromophenyl phenyl ether	64		77		40-140	18		30
Bis(2-chloroisopropyl)ether	70		76		40-140	8		30
Bis(2-chloroethoxy)methane	71		90		40-140	24		30
Hexachlorobutadiene	59		68		40-140	14		30
Hexachlorocyclopentadiene	49		67		40-140	**31**	Q	30
Hexachloroethane	65		74		40-140	13		30
Isophorone	74		87		40-140	16		30
Naphthalene	65		74		40-140	13		30
Nitrobenzene	68		80		40-140	16		30
NDPA/DPA	70		78		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1197576-2 WG1197576-3								
n-Nitrosodi-n-propylamine	76		88		29-132	15		30
Bis(2-ethylhexyl)phthalate	69		78		40-140	12		30
Butyl benzyl phthalate	72		89		40-140	21		30
Di-n-butylphthalate	66		76		40-140	14		30
Di-n-octylphthalate	77		85		40-140	10		30
Diethyl phthalate	69		79		40-140	14		30
Dimethyl phthalate	74		88		40-140	17		30
Benzo(a)anthracene	70		82		40-140	16		30
Benzo(a)pyrene	86		95		40-140	10		30
Benzo(b)fluoranthene	83		102		40-140	21		30
Benzo(k)fluoranthene	84		92		40-140	9		30
Chrysene	67		81		40-140	19		30
Acenaphthylene	69		82		45-123	17		30
Anthracene	67		80		40-140	18		30
Benzo(ghi)perylene	67		81		40-140	19		30
Fluorene	65		75		40-140	14		30
Phenanthrene	64		76		40-140	17		30
Dibenzo(a,h)anthracene	65		82		40-140	23		30
Indeno(1,2,3-cd)pyrene	63		73		40-140	15		30
Pyrene	59		78		26-127	28		30
Biphenyl	64		73		40-140	13		30
4-Chloroaniline	63		66		40-140	5		30
2-Nitroaniline	60		80		52-143	29		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1197576-2 WG1197576-3								
3-Nitroaniline	66		75		25-145	13		30
4-Nitroaniline	66		76		51-143	14		30
Dibenzofuran	62		72		40-140	15		30
2-Methylnaphthalene	64		78		40-140	20		30
1,2,4,5-Tetrachlorobenzene	52		72		2-134	**32**	Q	30
Acetophenone	73		81		39-129	10		30
2,4,6-Trichlorophenol	71		86		30-130	19		30
p-Chloro-m-cresol	70		89		23-97	24		30
2-Chlorophenol	67		78		27-123	15		30
2,4-Dichlorophenol	78		95		30-130	20		30
2,4-Dimethylphenol	74		96		30-130	26		30
2-Nitrophenol	72		88		30-130	20		30
4-Nitrophenol	**86**	Q	**98**	Q	10-80	13		30
2,4-Dinitrophenol	63		68		20-130	8		30
4,6-Dinitro-o-cresol	66		74		20-164	11		30
Pentachlorophenol	71		83		9-103	16		30
Phenol	44		54		12-110	20		30
2-Methylphenol	76		82		30-130	8		30
3-Methylphenol/4-Methylphenol	81		89		30-130	9		30
2,4,5-Trichlorophenol	74		87		30-130	16		30
Benzoic Acid	46		45		10-164	2		30
Benzyl Alcohol	74		86		26-116	15		30
Carbazole	73		88		55-144	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1197576-2 WG1197576-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		76		21-120
Phenol-d6	43		53		10-120
Nitrobenzene-d5	68		77		23-120
2-Fluorobiphenyl	63		75		15-120
2,4,6-Tribromophenol	73		81		10-120
4-Terphenyl-d14	56		66		41-149

PCBS

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/11/19 18:26
Analyst: WR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	3.08	1	A
Aroclor 1221	ND		ug/kg	34.7	3.48	1	A
Aroclor 1232	ND		ug/kg	34.7	7.36	1	A
Aroclor 1242	ND		ug/kg	34.7	4.68	1	A
Aroclor 1248	ND		ug/kg	34.7	5.21	1	A
Aroclor 1254	ND		ug/kg	34.7	3.80	1	A
Aroclor 1260	ND		ug/kg	34.7	6.42	1	A
Aroclor 1262	ND		ug/kg	34.7	4.41	1	A
Aroclor 1268	ND		ug/kg	34.7	3.60	1	A
PCBs, Total	ND		ug/kg	34.7	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/11/19 18:39
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	3.22	1	A
Aroclor 1221	ND		ug/kg	36.3	3.64	1	A
Aroclor 1232	ND		ug/kg	36.3	7.70	1	A
Aroclor 1242	ND		ug/kg	36.3	4.90	1	A
Aroclor 1248	ND		ug/kg	36.3	5.45	1	A
Aroclor 1254	ND		ug/kg	36.3	3.97	1	A
Aroclor 1260	ND		ug/kg	36.3	6.71	1	A
Aroclor 1262	ND		ug/kg	36.3	4.61	1	A
Aroclor 1268	ND		ug/kg	36.3	3.76	1	A
PCBs, Total	ND		ug/kg	36.3	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/11/19 18:52
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.19	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.62	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.39	1	A
Aroclor 1254	ND		ug/kg	36.0	3.93	1	A
Aroclor 1260	ND		ug/kg	36.0	6.64	1	A
Aroclor 1262	ND		ug/kg	36.0	4.56	1	A
Aroclor 1268	ND		ug/kg	36.0	3.72	1	A
PCBs, Total	ND		ug/kg	36.0	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/11/19 19:05
Analyst: WR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.6	3.96	1	A
Aroclor 1221	ND		ug/kg	44.6	4.46	1	A
Aroclor 1232	ND		ug/kg	44.6	9.45	1	A
Aroclor 1242	ND		ug/kg	44.6	6.01	1	A
Aroclor 1248	ND		ug/kg	44.6	6.68	1	A
Aroclor 1254	ND		ug/kg	44.6	4.88	1	A
Aroclor 1260	ND		ug/kg	44.6	8.24	1	A
Aroclor 1262	ND		ug/kg	44.6	5.66	1	A
Aroclor 1268	ND		ug/kg	44.6	4.62	1	A
PCBs, Total	ND		ug/kg	44.6	3.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/11/19 19:17
Analyst: WR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	3.55	1	A
Aroclor 1221	ND		ug/kg	40.0	4.00	1	A
Aroclor 1232	ND		ug/kg	40.0	8.47	1	A
Aroclor 1242	ND		ug/kg	40.0	5.39	1	A
Aroclor 1248	ND		ug/kg	40.0	6.00	1	A
Aroclor 1254	ND		ug/kg	40.0	4.37	1	A
Aroclor 1260	ND		ug/kg	40.0	7.39	1	A
Aroclor 1262	ND		ug/kg	40.0	5.08	1	A
Aroclor 1268	ND		ug/kg	40.0	4.14	1	A
PCBs, Total	ND		ug/kg	40.0	3.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/13/19 23:08
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 10:54
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/13/19 23:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 10:54
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	0.142		ug/l	0.082	0.032	1	B
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	0.142		ug/l	0.082	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8082A
Analytical Date: 01/13/19 23:35
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 10:54
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/11/19 19:56
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:17
Cleanup Method: EPA 3665A
Cleanup Date: 01/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1196547-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/14/19 00:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 10:54
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06-08 Batch: WG1197039-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	A
PCBs, Total	ND		ug/l	0.082	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1196547-2 WG1196547-3									
Aroclor 1016	58		61		40-140	5		50	A
Aroclor 1260	55		61		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		98		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		95		30-150	B
Decachlorobiphenyl	77		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06-08 Batch: WG1197039-2 WG1197039-3									
Aroclor 1016	72		76		40-140	6		50	A
Aroclor 1260	75		80		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	A
Decachlorobiphenyl	71		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		77		30-150	B
Decachlorobiphenyl	77		81		30-150	B

PESTICIDES

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 20:36
Analyst: BM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:14
Cleanup Method: EPA 3620B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.324	1	A
Lindane	ND		ug/kg	0.690	0.309	1	A
Alpha-BHC	ND		ug/kg	0.690	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.628	1	A
Heptachlor	ND		ug/kg	0.828	0.371	1	A
Aldrin	ND		ug/kg	1.66	0.583	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.932	1	A
Endrin	ND		ug/kg	0.690	0.283	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.725	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.518	1	A
4,4'-DDE	0.456	J	ug/kg	1.66	0.383	1	A
4,4'-DDD	ND		ug/kg	1.66	0.591	1	A
4,4'-DDT	ND		ug/kg	3.11	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.391	1	A
Endosulfan II	ND		ug/kg	1.66	0.554	1	A
Endosulfan sulfate	ND		ug/kg	0.690	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.967	1	A
Toxaphene	ND		ug/kg	31.1	8.70	1	A
cis-Chlordane	ND		ug/kg	2.07	0.577	1	A
trans-Chlordane	ND		ug/kg	2.07	0.547	1	A
Chlordane	ND		ug/kg	13.5	5.49	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	114		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/16/19 12:25
Analyst: BM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:14
Cleanup Method: EPA 3620B
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.768	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	5.71		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	13.6	IP	ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	**151**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**281**	Q	30-150	A
Decachlorobiphenyl	**301**	Q	30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 21:01
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:14
Cleanup Method: EPA 3620B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.969	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	1.00	J	ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	ND		ug/kg	2.15	0.600	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 20:44
Analyst: SL
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:14
Cleanup Method: EPA 3620B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.21	0.432	1	A
Lindane	ND		ug/kg	0.920	0.411	1	A
Alpha-BHC	ND		ug/kg	0.920	0.261	1	A
Beta-BHC	ND		ug/kg	2.21	0.837	1	A
Heptachlor	ND		ug/kg	1.10	0.495	1	A
Aldrin	ND		ug/kg	2.21	0.777	1	A
Heptachlor epoxide	ND		ug/kg	4.14	1.24	1	A
Endrin	ND		ug/kg	0.920	0.377	1	A
Endrin aldehyde	ND		ug/kg	2.76	0.966	1	A
Endrin ketone	ND		ug/kg	2.21	0.568	1	A
Dieldrin	ND		ug/kg	1.38	0.690	1	A
4,4'-DDE	ND		ug/kg	2.21	0.510	1	A
4,4'-DDD	ND	I	ug/kg	2.21	0.787	1	B
4,4'-DDT	ND		ug/kg	4.14	1.78	1	A
Endosulfan I	ND		ug/kg	2.21	0.521	1	A
Endosulfan II	ND		ug/kg	2.21	0.738	1	A
Endosulfan sulfate	ND	I	ug/kg	0.920	0.438	1	A
Methoxychlor	ND		ug/kg	4.14	1.29	1	A
Toxaphene	ND		ug/kg	41.4	11.6	1	A
cis-Chlordane	ND		ug/kg	2.76	0.769	1	A
trans-Chlordane	ND	I	ug/kg	2.76	0.728	1	A
Chlordane	ND		ug/kg	17.9	7.31	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**2290**	Q	30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/12/19 20:57
Analyst: KEG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 01/10/19 18:14
Cleanup Method: EPA 3620B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.375	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.727	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	ND		ug/kg	3.59	1.08	1	A
Endrin	ND		ug/kg	0.799	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.839	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.599	1	A
4,4'-DDE	ND		ug/kg	1.92	0.443	1	A
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	ND		ug/kg	3.59	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	A
Methoxychlor	ND		ug/kg	3.59	1.12	1	A
Toxaphene	ND		ug/kg	35.9	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND	I	ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	15.6	6.35	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/14/19 12:34
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/14/19 12:46
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8081B
Analytical Date: 01/14/19 12:59
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/12/19 01:05
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG1196190-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/12/19 01:05
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG1196190-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/14/19 11:55
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06-08 Batch: WG1197081-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/14/19 11:55
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06-08 Batch: WG1197081-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/15/19 15:14
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1197862-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/15/19 15:14
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/09/19 20:28
Cleanup Method: EPA 3620B
Cleanup Date: 01/10/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1197862-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	62		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1196190-2 WG1196190-3									
Delta-BHC	96		89		30-150	8		30	A
Lindane	89		84		30-150	6		30	A
Alpha-BHC	94		88		30-150	7		30	A
Beta-BHC	100		92		30-150	8		30	A
Heptachlor	102		96		30-150	6		30	A
Aldrin	88		82		30-150	7		30	A
Heptachlor epoxide	78		84		30-150	7		30	A
Endrin	98		92		30-150	6		30	A
Endrin aldehyde	70		63		30-150	11		30	A
Endrin ketone	92		80		30-150	14		30	A
Dieldrin	99		92		30-150	7		30	A
4,4'-DDE	90		82		30-150	9		30	A
4,4'-DDD	97		89		30-150	9		30	A
4,4'-DDT	97		88		30-150	10		30	A
Endosulfan I	89		83		30-150	7		30	A
Endosulfan II	98		90		30-150	9		30	A
Endosulfan sulfate	79		68		30-150	15		30	A
Methoxychlor	104		92		30-150	12		30	A
cis-Chlordane	76		72		30-150	5		30	A
trans-Chlordane	85		84		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1196190-2 WG1196190-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		98		30-150	B
Decachlorobiphenyl	86		74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		92		30-150	A
Decachlorobiphenyl	86		72		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06-08 Batch: WG1197081-2 WG1197081-3									
Delta-BHC	82		75		30-150	10		20	A
Lindane	77		72		30-150	7		20	A
Alpha-BHC	81		76		30-150	6		20	A
Beta-BHC	72		66		30-150	8		20	A
Heptachlor	77		72		30-150	7		20	A
Aldrin	76		70		30-150	8		20	A
Heptachlor epoxide	80		73		30-150	9		20	A
Endrin	85		78		30-150	9		20	A
Endrin aldehyde	77		64		30-150	18		20	A
Endrin ketone	90		83		30-150	7		20	A
Dieldrin	89		82		30-150	8		20	A
4,4'-DDE	78		72		30-150	8		20	A
4,4'-DDD	84		78		30-150	8		20	A
4,4'-DDT	77		73		30-150	4		20	A
Endosulfan I	77		70		30-150	9		20	A
Endosulfan II	81		74		30-150	9		20	A
Endosulfan sulfate	83		75		30-150	11		20	A
Methoxychlor	72		68		30-150	5		20	A
cis-Chlordane	62		57		30-150	10		20	A
trans-Chlordane	76		69		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06-08 Batch: WG1197081-2 WG1197081-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		55		30-150	A
Decachlorobiphenyl	69		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		54		30-150	B
Decachlorobiphenyl	66		59		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1197862-2 WG1197862-3									
Delta-BHC	93		84		30-150	10		30	A
Lindane	88		81		30-150	8		30	A
Alpha-BHC	93		86		30-150	8		30	A
Beta-BHC	97		87		30-150	11		30	A
Heptachlor	94		87		30-150	8		30	A
Aldrin	88		80		30-150	10		30	A
Heptachlor epoxide	68		63		30-150	8		30	A
Endrin	88		82		30-150	7		30	A
Endrin aldehyde	53		52		30-150	2		30	A
Endrin ketone	72		68		30-150	6		30	A
Dieldrin	87		81		30-150	7		30	A
4,4'-DDE	83		77		30-150	8		30	A
4,4'-DDD	84		80		30-150	5		30	A
4,4'-DDT	78		75		30-150	4		30	A
Endosulfan I	83		78		30-150	6		30	A
Endosulfan II	84		81		30-150	4		30	A
Endosulfan sulfate	49		44		30-150	11		30	A
Methoxychlor	78		76		30-150	3		30	A
cis-Chlordane	74		68		30-150	8		30	A
trans-Chlordane	81		76		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1197862-2 WG1197862-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		106		30-150	B
Decachlorobiphenyl	72		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		92		30-150	A
Decachlorobiphenyl	67		65		30-150	A

METALS

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	5590		mg/kg	8.01	2.16	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Antimony, Total	0.489	J	mg/kg	4.01	0.304	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Arsenic, Total	2.74		mg/kg	0.801	0.167	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Barium, Total	41.3		mg/kg	0.801	0.139	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Beryllium, Total	0.144	J	mg/kg	0.401	0.026	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Cadmium, Total	0.296	J	mg/kg	0.801	0.079	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Calcium, Total	6050		mg/kg	8.01	2.80	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Chromium, Total	29.3		mg/kg	0.801	0.077	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Cobalt, Total	6.18		mg/kg	1.60	0.133	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Copper, Total	23.9		mg/kg	0.801	0.207	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Iron, Total	11800		mg/kg	4.01	0.724	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Lead, Total	41.6		mg/kg	4.01	0.215	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Magnesium, Total	1490		mg/kg	8.01	1.23	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Manganese, Total	196		mg/kg	0.801	0.127	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Mercury, Total	0.083		mg/kg	0.070	0.015	1	01/11/19 01:00	01/15/19 13:51	EPA 7471B	1,7471B	MG
Nickel, Total	9.58		mg/kg	2.00	0.194	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Potassium, Total	505		mg/kg	200	11.5	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.60	0.207	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.801	0.227	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Sodium, Total	162		mg/kg	160	2.52	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.60	0.252	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Vanadium, Total	17.4		mg/kg	0.801	0.163	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC
Zinc, Total	85.0		mg/kg	4.01	0.235	2	01/11/19 01:00	01/11/19 15:15	EPA 3050B	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	5060		mg/kg	8.47	2.29	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.24	0.322	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Arsenic, Total	4.09		mg/kg	0.847	0.176	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Barium, Total	117		mg/kg	0.847	0.147	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Beryllium, Total	0.118	J	mg/kg	0.424	0.028	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Cadmium, Total	0.398	J	mg/kg	0.847	0.083	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Calcium, Total	9280		mg/kg	8.47	2.96	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Chromium, Total	18.0		mg/kg	0.847	0.081	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Cobalt, Total	7.86		mg/kg	1.69	0.141	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Copper, Total	57.4		mg/kg	0.847	0.218	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Iron, Total	13100		mg/kg	4.24	0.765	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Lead, Total	150		mg/kg	4.24	0.227	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Magnesium, Total	2340		mg/kg	8.47	1.30	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Manganese, Total	206		mg/kg	0.847	0.135	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Mercury, Total	0.086		mg/kg	0.073	0.015	1	01/11/19 01:00	01/15/19 13:57	EPA 7471B	1,7471B	MG
Nickel, Total	10.2		mg/kg	2.12	0.205	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Potassium, Total	1070		mg/kg	212	12.2	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Selenium, Total	0.322	J	mg/kg	1.69	0.218	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.847	0.240	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Sodium, Total	120	J	mg/kg	169	2.67	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.69	0.267	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Vanadium, Total	16.5		mg/kg	0.847	0.172	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC
Zinc, Total	139		mg/kg	4.24	0.248	2	01/11/19 01:00	01/11/19 16:00	EPA 3050B	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5000		mg/kg	8.58	2.32	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Antimony, Total	0.712	J	mg/kg	4.29	0.326	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Arsenic, Total	6.16		mg/kg	0.858	0.178	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Barium, Total	64.6		mg/kg	0.858	0.149	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Beryllium, Total	0.172	J	mg/kg	0.429	0.028	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Cadmium, Total	0.515	J	mg/kg	0.858	0.084	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Calcium, Total	18700		mg/kg	8.58	3.00	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Chromium, Total	11.6		mg/kg	0.858	0.082	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Cobalt, Total	4.69		mg/kg	1.72	0.142	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Copper, Total	36.1		mg/kg	0.858	0.221	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Iron, Total	12200		mg/kg	4.29	0.774	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Lead, Total	116		mg/kg	4.29	0.230	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Magnesium, Total	2340		mg/kg	8.58	1.32	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Manganese, Total	182		mg/kg	0.858	0.136	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Mercury, Total	0.187		mg/kg	0.072	0.015	1	01/11/19 01:00	01/15/19 13:59	EPA 7471B	1,7471B	MG
Nickel, Total	10.6		mg/kg	2.14	0.208	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Potassium, Total	961		mg/kg	214	12.4	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Selenium, Total	0.643	J	mg/kg	1.72	0.221	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.858	0.243	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Sodium, Total	313		mg/kg	172	2.70	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.72	0.270	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Vanadium, Total	14.5		mg/kg	0.858	0.174	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC
Zinc, Total	139		mg/kg	4.29	0.251	2	01/11/19 01:00	01/11/19 16:05	EPA 3050B	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	6210		mg/kg	10.8	2.91	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	5.38	0.409	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Arsenic, Total	1.74		mg/kg	1.08	0.224	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Barium, Total	68.2		mg/kg	1.08	0.187	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Beryllium, Total	0.129	J	mg/kg	0.538	0.036	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Cadmium, Total	0.355	J	mg/kg	1.08	0.106	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Calcium, Total	4360		mg/kg	10.8	3.77	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Chromium, Total	24.2		mg/kg	1.08	0.103	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Cobalt, Total	7.57		mg/kg	2.15	0.179	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Copper, Total	15.8		mg/kg	1.08	0.278	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Iron, Total	14600		mg/kg	5.38	0.972	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Lead, Total	26.2		mg/kg	5.38	0.288	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Magnesium, Total	5200		mg/kg	10.8	1.66	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Manganese, Total	398		mg/kg	1.08	0.171	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Mercury, Total	0.061	J	mg/kg	0.094	0.020	1	01/11/19 01:00	01/15/19 14:00	EPA 7471B	1,7471B	MG
Nickel, Total	22.8		mg/kg	2.69	0.260	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Potassium, Total	3620		mg/kg	269	15.5	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Selenium, Total	0.549	J	mg/kg	2.15	0.278	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.08	0.305	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Sodium, Total	162	J	mg/kg	215	3.39	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.15	0.339	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Vanadium, Total	21.8		mg/kg	1.08	0.218	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC
Zinc, Total	57.7		mg/kg	5.38	0.316	2	01/11/19 01:00	01/11/19 16:09	EPA 3050B	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	7120		mg/kg	9.62	2.60	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.81	0.366	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Arsenic, Total	3.90		mg/kg	0.962	0.200	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Barium, Total	118		mg/kg	0.962	0.167	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Beryllium, Total	0.144	J	mg/kg	0.481	0.032	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Cadmium, Total	0.212	J	mg/kg	0.962	0.094	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Calcium, Total	38700		mg/kg	9.62	3.37	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Chromium, Total	11.0		mg/kg	0.962	0.092	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Cobalt, Total	4.85		mg/kg	1.92	0.160	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Copper, Total	14.4		mg/kg	0.962	0.248	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Iron, Total	11100		mg/kg	4.81	0.869	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Lead, Total	79.3		mg/kg	4.81	0.258	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Magnesium, Total	4620		mg/kg	9.62	1.48	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Manganese, Total	257		mg/kg	0.962	0.153	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Mercury, Total	0.262		mg/kg	0.081	0.017	1	01/11/19 01:00	01/15/19 14:02	EPA 7471B	1,7471B	MG
Nickel, Total	12.3		mg/kg	2.40	0.233	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Potassium, Total	988		mg/kg	240	13.8	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.92	0.248	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.962	0.272	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Sodium, Total	180	J	mg/kg	192	3.03	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.92	0.303	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Vanadium, Total	20.1		mg/kg	0.962	0.195	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC
Zinc, Total	55.7		mg/kg	4.81	0.282	2	01/11/19 01:00	01/11/19 16:14	EPA 3050B	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0143		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Antimony, Total	0.00186	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00318		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Barium, Total	0.2821		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Calcium, Total	116.		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Chromium, Total	0.00039	J	mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00272		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Copper, Total	0.00072	J	mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Iron, Total	1.88		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Lead, Total	0.00087	J	mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Magnesium, Total	14.3		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Manganese, Total	1.072		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/10/19 12:50	01/10/19 23:09	EPA 7470A	1,7470A	EA
Nickel, Total	0.00625		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Potassium, Total	15.2		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Selenium, Total	0.00310	J	mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Sodium, Total	57.6		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Thallium, Total	0.00021	J	mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Zinc, Total	0.02182		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 15:19	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00152	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00172		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2407		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Calcium, Dissolved	111.		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00285		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.261		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	14.3		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9239		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:17	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00681		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Potassium, Dissolved	14.0		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00268	J	mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Sodium, Dissolved	60.3		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.02250		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 09:58	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0124		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Antimony, Total	0.00093	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00307		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Barium, Total	0.2823		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Calcium, Total	116.		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Chromium, Total	0.00049	J	mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00274		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Copper, Total	0.00084	J	mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Iron, Total	1.84		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Lead, Total	0.00084	J	mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Magnesium, Total	14.5		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Manganese, Total	1.084		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/10/19 12:50	01/10/19 23:10	EPA 7470A	1,7470A	EA
Nickel, Total	0.00626		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Potassium, Total	15.2		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Selenium, Total	0.00293	J	mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Sodium, Total	58.2		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Zinc, Total	0.02120		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 15:24	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00610	J	mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00110	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00201		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2516		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Calcium, Dissolved	113.		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00307		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.235		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	14.8		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9609		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:22	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00619		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Potassium, Dissolved	14.3		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00258	J	mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Sodium, Dissolved	62.0		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.02344		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 10:03	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Barium, Total	0.00098		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Calcium, Total	0.0567	J	mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Chromium, Total	0.00029	J	mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Copper, Total	0.00163		mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/10/19 12:50	01/10/19 23:12	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Sodium, Total	0.207		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 16:03	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00096	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00103		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Lab Number: L1900984
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101
Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Calcium, Dissolved	0.0472	J	mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00033	J	mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00057	J	mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0326	J	mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:24	EPA 7470A	1,7470A	EA
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Sodium, Dissolved	0.345		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 09:46	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06-08 Batch: WG1196450-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/10/19 12:50	01/10/19 22:54	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06-08 Batch: WG1196467-1										
Aluminum, Total	0.00623	J	mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Manganese, Total	0.00053	J	mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Sodium, Total	0.0432	J	mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 15:01	1,6020B	AM

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06-08 Batch: WG1196469-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Antimony, Dissolved	0.00096	J	mg/l	0.00400	0.00042	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Iron, Dissolved	0.0381	J	mg/l	0.0500	0.0191	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Thallium, Dissolved	0.00019	J	mg/l	0.00050	0.00014	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/10/19 16:34	01/11/19 09:42	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1196550-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	01/11/19 01:00	01/15/19 13:06	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1196569-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Arsenic, Total	0.116	J	mg/kg	0.400	0.083	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Iron, Total	0.528	J	mg/kg	2.00	0.361	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Sodium, Total	2.44	J	mg/kg	80.0	1.26	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Thallium, Total	0.184	J	mg/kg	0.800	0.126	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/11/19 01:00	01/11/19 13:40	1,6010D	LC

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06-08 Batch: WG1196780-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:13	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196450-2								
Mercury, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196467-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	89	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	109	-	80-120	-	
Cadmium, Total	111	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	93	-	80-120	-	
Iron, Total	117	-	80-120	-	
Lead, Total	104	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	96	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	111	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196467-2					
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196469-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	84	-	80-120	-	
Arsenic, Dissolved	97	-	80-120	-	
Barium, Dissolved	98	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	94	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	94	-	80-120	-	
Iron, Dissolved	99	-	80-120	-	
Lead, Dissolved	111	-	80-120	-	
Magnesium, Dissolved	102	-	80-120	-	
Manganese, Dissolved	90	-	80-120	-	
Nickel, Dissolved	94	-	80-120	-	
Potassium, Dissolved	95	-	80-120	-	
Selenium, Dissolved	101	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	99	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196469-2					
Zinc, Dissolved	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1196550-2 SRM Lot Number: D101-540					
Mercury, Total	97	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1196569-2 SRM Lot Number: D101-540					
Aluminum, Total	63	-	50-151	-	
Antimony, Total	130	-	3-196	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	90	-	83-118	-	
Beryllium, Total	91	-	83-117	-	
Cadmium, Total	89	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	90	-	81-118	-	
Cobalt, Total	91	-	84-116	-	
Copper, Total	90	-	83-116	-	
Iron, Total	80	-	62-138	-	
Lead, Total	89	-	83-117	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	88	-	82-118	-	
Nickel, Total	90	-	82-117	-	
Potassium, Total	82	-	71-130	-	
Selenium, Total	87	-	79-121	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	97	-	72-127	-	
Thallium, Total	94	-	81-119	-	
Vanadium, Total	86	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1196569-2 SRM Lot Number: D101-540					
Zinc, Total	90	-	81-119	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1196780-2					
Mercury, Dissolved	114	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196450-3 WG1196450-4 QC Sample: L1901035-03 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00488	98		0.00482	96		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196467-3 QC Sample: L1901122-06 Client ID: MS Sample										
Aluminum, Total	259	2	341	**4100**	Q	-	-	75-125	-	20
Antimony, Total	0.0007J	0.5	0.04767J	**10**	Q	-	-	75-125	-	20
Arsenic, Total	0.1065	0.12	0.2277	101		-	-	75-125	-	20
Barium, Total	6.395	2	8.221	91		-	-	75-125	-	20
Beryllium, Total	0.06063	0.05	0.1170	113		-	-	75-125	-	20
Cadmium, Total	0.02030	0.051	0.08406	125		-	-	75-125	-	20
Calcium, Total	1530	10	1660	**1300**	Q	-	-	75-125	-	20
Chromium, Total	0.2977	0.2	0.5142	108		-	-	75-125	-	20
Cobalt, Total	0.2420	0.5	0.7855	109		-	-	75-125	-	20
Copper, Total	0.4488	0.25	0.8185	**148**	Q	-	-	75-125	-	20
Iron, Total	430	1	450	**2000**	Q	-	-	75-125	-	20
Lead, Total	0.6246	0.51	1.038	81		-	-	75-125	-	20
Magnesium, Total	75.5	10	101	**255**	Q	-	-	75-125	-	20
Manganese, Total	26.79	0.5	29.27	**496**	Q	-	-	75-125	-	20
Nickel, Total	0.5316	0.5	1.224	**138**	Q	-	-	75-125	-	20
Potassium, Total	18.0	10	27.5	95		-	-	75-125	-	20
Selenium, Total	0.0423	0.12	0.133	76		-	-	75-125	-	20
Silver, Total	0.00073	0.05	0.02169	**42**	Q	-	-	75-125	-	20
Sodium, Total	328	10	372	**440**	Q	-	-	75-125	-	20
Thallium, Total	0.0017	0.12	0.08393	**68**	Q	-	-	75-125	-	20
Vanadium, Total	0.8717	0.5	1.267	79		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196467-3 QC Sample: L1901122-06 Client ID: MS Sample										
Zinc, Total	0.7193	0.5	1.779	**212**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196469-3 WG1196469-4 QC Sample: L1901035-03 Client ID: MS Sample											
Aluminum, Dissolved	ND	2	1.83	92		1.98	99		75-125	8	20
Antimony, Dissolved	0.00447	0.5	0.4657	92		0.5185	103		75-125	11	20
Arsenic, Dissolved	0.00061	0.12	0.1155	96		0.1220	101		75-125	5	20
Barium, Dissolved	0.00590	2	1.892	94		1.988	99		75-125	5	20
Beryllium, Dissolved	ND	0.05	0.05145	103		0.05180	104		75-125	1	20
Cadmium, Dissolved	ND	0.051	0.05221	102		0.05414	106		75-125	4	20
Calcium, Dissolved	102.	10	106	**40**	Q	111	90		75-125	5	20
Chromium, Dissolved	0.00024J	0.2	0.1798	90		0.1870	94		75-125	4	20
Cobalt, Dissolved	0.00193	0.5	0.4663	93		0.4839	96		75-125	4	20
Copper, Dissolved	ND	0.25	0.2277	91		0.2344	94		75-125	3	20
Iron, Dissolved	0.898	1	1.69	79		1.75	85		75-125	3	20
Lead, Dissolved	ND	0.51	0.5013	98		0.5546	109		75-125	10	20
Magnesium, Dissolved	23.6	10	32.6	90		33.5	99		75-125	3	20
Manganese, Dissolved	0.07503	0.5	0.5223	89		0.5324	91		75-125	2	20
Nickel, Dissolved	0.00486	0.5	0.4647	92		0.4808	95		75-125	3	20
Potassium, Dissolved	12.0	10	20.2	82		21.1	91		75-125	4	20
Selenium, Dissolved	0.00217J	0.12	0.117	98		0.130	108		75-125	11	20
Silver, Dissolved	ND	0.05	0.04731	95		0.04978	100		75-125	5	20
Sodium, Dissolved	80.0	10	83.1	**31**	Q	85.9	**59**	Q	75-125	3	20
Thallium, Dissolved	0.00024J	0.12	0.1128	94		0.1255	104		75-125	11	20
Vanadium, Dissolved	ND	0.5	0.4691	94		0.4797	96		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196469-3 WG1196469-4 QC Sample: L1901035-03 Client ID: MS Sample									
Zinc, Dissolved	0.01945	0.5	0.5066	97	0.5265	101	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1196550-3 QC Sample: L1900960-02 Client ID: MS Sample									
Mercury, Total	0.140	0.162	0.329	117	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1196569-3 QC Sample: L1900965-02 Client ID: MS Sample										
Aluminum, Total	10500	197	11100	**304**	Q	-	-	75-125	-	20
Antimony, Total	0.444J	49.3	31.5	**64**	Q	-	-	75-125	-	20
Arsenic, Total	2.58	11.8	12.8	86		-	-	75-125	-	20
Barium, Total	71.0	197	247	89		-	-	75-125	-	20
Beryllium, Total	0.426	4.93	4.46	82		-	-	75-125	-	20
Cadmium, Total	0.340J	5.02	4.44	88		-	-	75-125	-	20
Calcium, Total	1030	985	1880	86		-	-	75-125	-	20
Chromium, Total	18.5	19.7	33.2	**74**	Q	-	-	75-125	-	20
Cobalt, Total	9.64	49.3	48.3	78		-	-	75-125	-	20
Copper, Total	9.99	24.6	30.2	82		-	-	75-125	-	20
Iron, Total	20500	98.5	20400	**0**	Q	-	-	75-125	-	20
Lead, Total	10.1	50.2	50.8	81		-	-	75-125	-	20
Magnesium, Total	4280	985	4770	**50**	Q	-	-	75-125	-	20
Manganese, Total	242	49.3	410	**341**	Q	-	-	75-125	-	20
Nickel, Total	16.8	49.3	52.8	**73**	Q	-	-	75-125	-	20
Potassium, Total	810	985	1700	90		-	-	75-125	-	20
Selenium, Total	0.236J	11.8	8.59	**73**	Q	-	-	75-125	-	20
Silver, Total	ND	29.6	26.3	89		-	-	75-125	-	20
Sodium, Total	94.0J	985	933	95		-	-	75-125	-	20
Thallium, Total	ND	11.8	8.61	**73**	Q	-	-	75-125	-	20
Vanadium, Total	23.0	49.3	64.2	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1196569-3 QC Sample: L1900965-02 Client ID: MS Sample										
Zinc, Total	49.4	49.3	85.5	**73**	Q	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196780-3 QC Sample: L1900984-06 Client ID: TW10-20190108										
Mercury, Dissolved	ND	0.005	0.00499	100		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196467-4 QC Sample: L1901122-06 Client ID: DUP Sample						
Arsenic, Total	0.1065	0.1164	mg/l	9		20
Barium, Total	6.395	7.079	mg/l	10		20
Cadmium, Total	0.02030	0.02272	mg/l	11		20
Chromium, Total	0.2977	0.3153	mg/l	6		20
Copper, Total	0.4488	0.4373	mg/l	3		20
Lead, Total	0.6246	0.7196	mg/l	14		20
Nickel, Total	0.5316	0.5891	mg/l	10		20
Selenium, Total	0.0423	0.0451	mg/l	6		20
Silver, Total	0.00073	0.00029J	mg/l	NC		20
Zinc, Total	0.7193	0.7656	mg/l	6		20
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196467-4 QC Sample: L1901122-06 Client ID: DUP Sample						
Beryllium, Total	0.06063	0.06468	mg/l	6		20
Manganese, Total	26.79	30.64	mg/l	13		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1196550-4 QC Sample: L1900960-02 Client ID: DUP Sample						
Mercury, Total	0.140	0.153	mg/kg	9		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1196569-4 QC Sample: L1900965-02 Client ID: DUP Sample						
Antimony, Total	0.444J	0.514J	mg/kg	NC		20
Beryllium, Total	0.426	0.528	mg/kg	**21**	Q	20
Lead, Total	10.1	10.1	mg/kg	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1196780-4 QC Sample: L1900984-06 Client ID: TW10-20190108					
Mercury, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-01
Client ID: SB9-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:50
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.1		%	0.100	NA	1	-	01/10/19 09:35	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	01/10/19 11:20	01/10/19 15:06	1,9010C/9012B	LH

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-02
Client ID: SB9-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:05
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	01/10/19 09:35	121,2540G	RI
Cyanide, Total	0.23	J	mg/kg	1.1	0.22	1	01/10/19 11:20	01/10/19 15:07	1,9010C/9012B	LH

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-03
Client ID: SB10-SS01-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 16:23
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	01/10/19 14:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	01/11/19 19:30	01/14/19 13:23	1,9010C/9012B	JO

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-04
Client ID: SB10-SS02-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.1		%	0.100	NA	1	-	01/10/19 14:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.29	1	01/11/19 19:30	01/14/19 13:24	1,9010C/9012B	JO

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-05
Client ID: SB10-SS02DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 17:13
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	01/10/19 14:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	01/11/19 19:30	01/14/19 13:25	1,9010C/9012B	JO

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-06
Client ID: TW10-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.007		mg/l	0.005	0.001	1	01/10/19 10:35	01/10/19 14:19	1,9010C/9012B	LH

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-07
Client ID: TW10-DUP-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 18:45
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.005		mg/l	0.005	0.001	1	01/10/19 10:35	01/10/19 14:20	1,9010C/9012B	LH

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1900984-08
Client ID: FIELD BLANK-20190108
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/08/19 00:00
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/10/19 10:35	01/10/19 14:21	1,9010C/9012B	LH

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001
Lab Number: L1900984
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1196377-1										
Cyanide, Total	ND		mg/kg	0.90	0.19	1	01/10/19 11:20	01/10/19 14:31	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 06-08 Batch: WG1196392-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/10/19 10:35	01/10/19 14:07	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 03-05 Batch: WG1196879-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	01/11/19 19:30	01/14/19 13:00	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC

Project Number: 1690010617-001

Lab Number: L1900984

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1196377-2 WG1196377-3								
Cyanide, Total	**79**	Q	85		80-120	7		35
General Chemistry - Westborough Lab Associated sample(s): 06-08 Batch: WG1196392-2 WG1196392-3								
Cyanide, Total	108		103		85-115	5		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 Batch: WG1196879-2 WG1196879-3								
Cyanide, Total	85		**69**	Q	80-120	30		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1196377-4 WG1196377-5 QC Sample: L1900950-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	100		10	98		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 06-08 QC Batch ID: WG1196392-4 WG1196392-5 QC Sample: L1901035-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.194	97		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1196879-4 WG1196879-5 QC Sample: L1901131-01 Client ID: MS Sample												
Cyanide, Total	ND	110	89	79		96	88		75-125	8		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1196379-1 QC Sample: L1900661-01 Client ID: DUP Sample						
Solids, Total	93.1	93.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1196483-1 QC Sample: L1901132-37 Client ID: DUP Sample						
Solids, Total	72.9	74.3	%	2		20

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B1	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900984-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1900984-01B	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 07:49	NYTCL-8260HLW(14)
L1900984-01C	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 14:54	NYTCL-8260HLW(14)
L1900984-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1900984-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900984-01F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900984-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1900984-02B	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 07:49	NYTCL-8260HLW(14)
L1900984-02C	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 14:54	NYTCL-8260HLW(14)
L1900984-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1900984-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900984-02F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1900984-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1900984-03B	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 07:49	NYTCL-8260HLW(14)
L1900984-03C	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 08:17	NYTCL-8260HLW(14)
L1900984-03D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TCN-9010(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900984-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900984-03F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1900984-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1900984-04B	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 07:49	NYTCL-8260HLW(14)
L1900984-04C	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 08:17	NYTCL-8260HLW(14)
L1900984-04D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TCN-9010(14),TS(7)
L1900984-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900984-04F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1900984-05A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1900984-05B	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 07:49	NYTCL-8260HLW(14)
L1900984-05C	Vial water preserved	A	NA		2.8	Y	Absent	10-JAN-19 08:17	NYTCL-8260HLW(14)
L1900984-05D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TCN-9010(14),TS(7)
L1900984-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1900984-05F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1900984-06A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-06B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-06C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-06D	Plastic 250ml unpreserved	A	7	7	2.8	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900984-06E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1900984-06F	Amber 250ml NaOH preserved	A	7	>12	2.8	N	Absent		TCN-9010(14)
L1900984-06G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L1900984-06H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L1900984-06I	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-06J	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-06K	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1900984-06Q	Plastic 250ml NaOH preserved	B1	>12	>12	3.5	Y	Absent		ARCHIVE()
L1900984-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1900984-07A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-07B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-07C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-07D	Plastic 250ml unpreserved	A	7	7	2.8	Y	Absent		-
L1900984-07E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1900984-07F	Amber 250ml NaOH preserved	A	7	>12	2.8	N	Absent		TCN-9010(14)
L1900984-07G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900984-07H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L1900984-07I	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-07J	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-07K	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1900984-07Q	Plastic 250ml NaOH preserved	B1	>12	>12	3.5	Y	Absent		ARCHIVE()
L1900984-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1900984-08A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-08B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-08C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L1900984-08D	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		-
L1900984-08E	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1900984-08F	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L1900984-08G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L1900984-08H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(7)
L1900984-08I	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-08J	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L1900984-08K	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC
Project Number: 1690010617-001

Lab Number: L1900984
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1900984-08X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH, LIC	**Lab Number:**	L1900984
Project Number:	1690010617-001	**Report Date:**	01/18/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC	**Lab Number:**	L1900984
Project Number:	1690010617-001	**Report Date:**	01/18/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC	**Lab Number:**	L1900984
Project Number:	1690010617-001	**Report Date:**	01/18/19

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 1/9/19

ALPHA Job #: L1900984

Client Information
Client: Ramboll
Address: 101 Carnegie Ctr Princeton NJ 08540
Phone: 609 243 9816
Fax:
Email: edd princeton@ramboll.com

Project Information
Project Name: 47-50 30th LIC
Project Location: 47-50 30th LIC NY 11101
Project #: 1690010617-001
(Use Project name as Project #)
Project Manager: Matthew Sweat
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
of Days:

Deliverables
ASP-A: ☐ ASP-B: ☐
EQuIS (1 File): ☐ EQuIS (4 File): X
Other: ☐

Billing Information
Same as Client Info: ☐
PO #: 1690010617-001

Regulatory Requirement
NY TOGS: X NY Part 375: X
AWQ Standards: X NY CP-51: X
NY Restricted Use: X Other: ☐
NY Unrestricted Use: X
NYC Sewer Discharge: ☐

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: ☐ NY: ☐
Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Send results to edd princeton@ramboll.com

Please specify Metals or TAL.

Sample Filtration
Done: ☐
Lab to do: ☐
Preservation
Lab to do: ☐
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL+TCL+TAL+30	Dissolved Metals	VOC	Total Hg Total Metals	Res+NJ SRCSE TCN NJ 8270	TS	NJ TAL+TCL+30 TICs (LVI)	Dissolved TAL Metals 6020 (HB)	Sample Specific Comments	Total Bottle
L1900984-01	SB9-SS01-20190108	1/8/19	1750	SO	VS	X			X	X	X				
-02	SB9-SS02-20190108	1/8/19	1805	SO	VS	X			X	X	X				
-03	SB10-SS01-20190108	1/8/19	1623	SO	VS										
-04	SB10-SS02-20190108	1/8/19	1713	SO	VS										
-05	SB10-SS02 DUP-20190108	1/8/19	1713	SO	VS										
-06	TW10-20190108	1/8/19	1845	AQ	BK							X	X		
-07	~~FWR~~ DUP-20190108	1/8/19	1845	AQ	BK							X	X		
-08	Field Blank-20190108	1/8/19		AQ	CE							X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
B.F.	1/9/19 12:55	Romeyka Dickson AAL	1/9 1255
RF	1/9 1900	D. Santos AAL	1/9/19 1900
D. Santos AAL	1/9/19 2240		1/9/19 2240

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1901016
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH ST., LIC
Project Number:	1690010617-001
Report Date:	01/15/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901016-01	SV8-20190108	SOIL_VAPOR	47-50 30TH ST., LIC, NY 11101	01/08/19 23:02	01/09/19
L1901016-02	SV9-20190108	SOIL_VAPOR	47-50 30TH ST., LIC, NY 11101	01/08/19 20:35	01/09/19
L1901016-03	SV10-20190108	SOIL_VAPOR	47-50 30TH ST., LIC, NY 11101	01/08/19 22:49	01/09/19

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1901016
Project Number:	1690010617-001	**Report Date:**	01/15/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 7, 2019. The canister certification results are provided as an addendum.

L1901016-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1901016-02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1901016-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1901016-03 results for Acetone should be considered estimated due to co-elution with a non-target peak.

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: 01/15/19

AIR

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-01 D
Client ID: SV8-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 23:02
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/13/19 03:43
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	37.3	16.7	--	70.3	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	214	3.33	--	508	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	52.5	1.67	--	129	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	4.78	1.67	--	14.5	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	2.15	0.667	--	6.70	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	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	10.1	1.67	--	29.8	4.93	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-01 D
Client ID: SV8-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 23:02
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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	4.38	1.67	--	12.9	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	1.44	0.667	--	5.08	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	1.38	0.667	--	4.41	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	0.956	0.667	--	3.29	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	2.65	0.667	--	10.9	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	3.49	1.67	--	14.3	6.84	--		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	3.11	0.667	--	11.7	2.51	--		3.333
2-Hexanone	1.53	0.667	--	6.27	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	1.09	0.667	--	7.39	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	1.83	0.667	--	7.95	2.90	--		3.333

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-01 D
Client ID: SV8-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 23:02
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	5.80	1.33	--	25.2	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	1.03	0.667	--	4.39	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	4.13	0.667	--	17.9	2.90	--		3.333
4-Ethyltoluene	6.74	0.667	--	33.1	3.28	--		3.333
1,3,5-Trimethylbenzene	7.46	0.667	--	36.7	3.28	--		3.333
1,2,4-Trimethylbenzene	19.7	0.667	--	96.8	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
Naphthalene	ND	0.667	--	ND	3.50	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	88		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-02 D
Client ID: SV9-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 20:35
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/12/19 21:32
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	6.58	--	ND	32.5	--		32.89
Chloromethane	ND	6.58	--	ND	13.6	--		32.89
Freon-114	ND	6.58	--	ND	46.0	--		32.89
Vinyl chloride	ND	6.58	--	ND	16.8	--		32.89
1,3-Butadiene	ND	6.58	--	ND	14.6	--		32.89
Bromomethane	ND	6.58	--	ND	25.6	--		32.89
Chloroethane	ND	6.58	--	ND	17.4	--		32.89
Ethanol	ND	164	--	ND	309	--		32.89
Vinyl bromide	ND	6.58	--	ND	28.8	--		32.89
Acetone	461	32.9	--	1100	78.2	--		32.89
Trichlorofluoromethane	ND	6.58	--	ND	37.0	--		32.89
Isopropanol	105	16.4	--	258	40.3	--		32.89
1,1-Dichloroethene	ND	6.58	--	ND	26.1	--		32.89
Tertiary butyl Alcohol	ND	16.4	--	ND	49.7	--		32.89
Methylene chloride	ND	16.4	--	ND	57.0	--		32.89
3-Chloropropene	ND	6.58	--	ND	20.6	--		32.89
Carbon disulfide	7.14	6.58	--	22.2	20.5	--		32.89
Freon-113	ND	6.58	--	ND	50.4	--		32.89
trans-1,2-Dichloroethene	ND	6.58	--	ND	26.1	--		32.89
1,1-Dichloroethane	ND	6.58	--	ND	26.6	--		32.89
Methyl tert butyl ether	ND	6.58	--	ND	23.7	--		32.89
2-Butanone	ND	16.4	--	ND	48.4	--		32.89
cis-1,2-Dichloroethene	ND	6.58	--	ND	26.1	--		32.89

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-02 D
Client ID: SV9-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 20:35
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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	16.4	--	ND	59.1	--		32.89
Chloroform	11.7	6.58	--	57.1	32.1	--		32.89
Tetrahydrofuran	ND	16.4	--	ND	48.4	--		32.89
1,2-Dichloroethane	ND	6.58	--	ND	26.6	--		32.89
n-Hexane	ND	6.58	--	ND	23.2	--		32.89
1,1,1-Trichloroethane	ND	6.58	--	ND	35.9	--		32.89
Benzene	ND	6.58	--	ND	21.0	--		32.89
Carbon tetrachloride	ND	6.58	--	ND	41.4	--		32.89
Cyclohexane	ND	6.58	--	ND	22.6	--		32.89
1,2-Dichloropropane	ND	6.58	--	ND	30.4	--		32.89
Bromodichloromethane	ND	6.58	--	ND	44.1	--		32.89
1,4-Dioxane	ND	6.58	--	ND	23.7	--		32.89
Trichloroethene	12.1	6.58	--	65.0	35.4	--		32.89
2,2,4-Trimethylpentane	ND	6.58	--	ND	30.7	--		32.89
Heptane	50.9	6.58	--	209	27.0	--		32.89
cis-1,3-Dichloropropene	ND	6.58	--	ND	29.9	--		32.89
4-Methyl-2-pentanone	ND	16.4	--	ND	67.2	--		32.89
trans-1,3-Dichloropropene	ND	6.58	--	ND	29.9	--		32.89
1,1,2-Trichloroethane	ND	6.58	--	ND	35.9	--		32.89
Toluene	7.17	6.58	--	27.0	24.8	--		32.89
2-Hexanone	ND	6.58	--	ND	27.0	--		32.89
Dibromochloromethane	ND	6.58	--	ND	56.1	--		32.89
1,2-Dibromoethane	ND	6.58	--	ND	50.6	--		32.89
Tetrachloroethene	ND	6.58	--	ND	44.6	--		32.89
Chlorobenzene	ND	6.58	--	ND	30.3	--		32.89
Ethylbenzene	ND	6.58	--	ND	28.6	--		32.89

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-02 D
Client ID: SV9-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 20:35
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	ND	13.2	--	ND	57.3	--		32.89
Bromoform	ND	6.58	--	ND	68.0	--		32.89
Styrene	ND	6.58	--	ND	28.0	--		32.89
1,1,2,2-Tetrachloroethane	ND	6.58	--	ND	45.2	--		32.89
o-Xylene	ND	6.58	--	ND	28.6	--		32.89
4-Ethyltoluene	ND	6.58	--	ND	32.3	--		32.89
1,3,5-Trimethylbenzene	ND	6.58	--	ND	32.3	--		32.89
1,2,4-Trimethylbenzene	12.8	6.58	--	62.9	32.3	--		32.89
Benzyl chloride	ND	6.58	--	ND	34.1	--		32.89
1,3-Dichlorobenzene	ND	6.58	--	ND	39.6	--		32.89
1,4-Dichlorobenzene	ND	6.58	--	ND	39.6	--		32.89
1,2-Dichlorobenzene	ND	6.58	--	ND	39.6	--		32.89
1,2,4-Trichlorobenzene	ND	6.58	--	ND	48.8	--		32.89
Naphthalene	ND	6.58	--	ND	34.5	--		32.89
Hexachlorobutadiene	ND	6.58	--	ND	70.2	--		32.89

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-03 D
Client ID: SV10-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 22:49
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/13/19 04:19
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.34	--	ND	6.63	--		6.693
Chloromethane	ND	1.34	--	ND	2.77	--		6.693
Freon-114	ND	1.34	--	ND	9.37	--		6.693
Vinyl chloride	ND	1.34	--	ND	3.43	--		6.693
1,3-Butadiene	1.65	1.34	--	3.65	2.96	--		6.693
Bromomethane	ND	1.34	--	ND	5.20	--		6.693
Chloroethane	ND	1.34	--	ND	3.54	--		6.693
Ethanol	52.1	33.5	--	98.2	63.1	--		6.693
Vinyl bromide	ND	1.34	--	ND	5.86	--		6.693
Acetone	209	6.69	--	496	15.9	--		6.693
Trichlorofluoromethane	ND	1.34	--	ND	7.53	--		6.693
Isopropanol	90.8	3.35	--	223	8.23	--		6.693
1,1-Dichloroethene	ND	1.34	--	ND	5.31	--		6.693
Tertiary butyl Alcohol	8.14	3.35	--	24.7	10.2	--		6.693
Methylene chloride	ND	3.35	--	ND	11.6	--		6.693
3-Chloropropene	ND	1.34	--	ND	4.19	--		6.693
Carbon disulfide	5.55	1.34	--	17.3	4.17	--		6.693
Freon-113	ND	1.34	--	ND	10.3	--		6.693
trans-1,2-Dichloroethene	ND	1.34	--	ND	5.31	--		6.693
1,1-Dichloroethane	ND	1.34	--	ND	5.42	--		6.693
Methyl tert butyl ether	ND	1.34	--	ND	4.83	--		6.693
2-Butanone	6.21	3.35	--	18.3	9.88	--		6.693
cis-1,2-Dichloroethene	ND	1.34	--	ND	5.31	--		6.693

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-03 D
Client ID: SV10-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 22:49
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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	3.35	--	ND	12.1	--		6.693
Chloroform	ND	1.34	--	ND	6.54	--		6.693
Tetrahydrofuran	ND	3.35	--	ND	9.88	--		6.693
1,2-Dichloroethane	ND	1.34	--	ND	5.42	--		6.693
n-Hexane	22.2	1.34	--	78.2	4.72	--		6.693
1,1,1-Trichloroethane	ND	1.34	--	ND	7.31	--		6.693
Benzene	ND	1.34	--	ND	4.28	--		6.693
Carbon tetrachloride	ND	1.34	--	ND	8.43	--		6.693
Cyclohexane	ND	1.34	--	ND	4.61	--		6.693
1,2-Dichloropropane	ND	1.34	--	ND	6.19	--		6.693
Bromodichloromethane	ND	1.34	--	ND	8.98	--		6.693
1,4-Dioxane	1.60	1.34	--	5.77	4.83	--		6.693
Trichloroethene	ND	1.34	--	ND	7.20	--		6.693
2,2,4-Trimethylpentane	ND	1.34	--	ND	6.26	--		6.693
Heptane	11.0	1.34	--	45.1	5.49	--		6.693
cis-1,3-Dichloropropene	ND	1.34	--	ND	6.08	--		6.693
4-Methyl-2-pentanone	4.20	3.35	--	17.2	13.7	--		6.693
trans-1,3-Dichloropropene	ND	1.34	--	ND	6.08	--		6.693
1,1,2-Trichloroethane	ND	1.34	--	ND	7.31	--		6.693
Toluene	2.48	1.34	--	9.35	5.05	--		6.693
2-Hexanone	ND	1.34	--	ND	5.49	--		6.693
Dibromochloromethane	ND	1.34	--	ND	11.4	--		6.693
1,2-Dibromoethane	ND	1.34	--	ND	10.3	--		6.693
Tetrachloroethene	26.5	1.34	--	180	9.09	--		6.693
Chlorobenzene	ND	1.34	--	ND	6.17	--		6.693
Ethylbenzene	ND	1.34	--	ND	5.82	--		6.693

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

SAMPLE RESULTS

Lab ID: L1901016-03 D
Client ID: SV10-20190108
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/08/19 22:49
Date Received: 01/09/19
Field Prep: Not Specified

Sample Depth:

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								
p/m-Xylene	3.65	2.68	--	15.9	11.6	--		6.693
Bromoform	ND	1.34	--	ND	13.9	--		6.693
Styrene	ND	1.34	--	ND	5.71	--		6.693
1,1,2,2-Tetrachloroethane	ND	1.34	--	ND	9.20	--		6.693
o-Xylene	2.23	1.34	--	9.69	5.82	--		6.693
4-Ethyltoluene	4.23	1.34	--	20.8	6.59	--		6.693
1,3,5-Trimethylbenzene	4.30	1.34	--	21.1	6.59	--		6.693
1,2,4-Trimethylbenzene	15.3	1.34	--	75.2	6.59	--		6.693
Benzyl chloride	ND	1.34	--	ND	6.94	--		6.693
1,3-Dichlorobenzene	ND	1.34	--	ND	8.06	--		6.693
1,4-Dichlorobenzene	ND	1.34	--	ND	8.06	--		6.693
1,2-Dichlorobenzene	ND	1.34	--	ND	8.06	--		6.693
1,2,4-Trichlorobenzene	ND	1.34	--	ND	9.95	--		6.693
Naphthalene	ND	1.34	--	ND	7.03	--		6.693
Hexachlorobutadiene	ND	1.34	--	ND	14.3	--		6.693

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	95		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1901016
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/12/19 15:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197111-4								
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	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1901016
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/12/19 15:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197111-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001
Lab Number: L1901016
Report Date: 01/15/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/12/19 15:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197111-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197111-3								
Chlorodifluoromethane	94		-		70-130	-		
Propylene	115		-		70-130	-		
Propane	84		-		70-130	-		
Dichlorodifluoromethane	116		-		70-130	-		
Chloromethane	93		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	109		-		70-130	-		
Methanol	80		-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Butane	94		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	101		-		70-130	-		
Ethyl Alcohol	81		-		70-130	-		
Dichlorofluoromethane	97		-		70-130	-		
Vinyl bromide	104		-		70-130	-		
Acrolein	85		-		70-130	-		
Acetone	107		-		70-130	-		
Acetonitrile	91		-		70-130	-		
Trichlorofluoromethane	121		-		70-130	-		
iso-Propyl Alcohol	94		-		70-130	-		
Acrylonitrile	85		-		70-130	-		
Pentane	95		-		70-130	-		
Ethyl ether	**67**	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1901016

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197111-3								
1,1-Dichloroethene	106		-		70-130	-		
tert-Butyl Alcohol	75		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		-		70-130	-		
trans-1,2-Dichloroethene	102		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	83		-		70-130	-		
Vinyl acetate	102		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	114		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	112		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
2,2-Dichloropropane	98		-		70-130	-		
1,2-Dichloroethane	115		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	76		-		70-130	-		
Ethyl-Tert-Butyl-Ether	**66**	Q	-		70-130	-		
1,2-Dichloroethene (total)	108		-			-		
1,2-Dichloroethene (total)	108		-			-		
1,1,1-Trichloroethane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197111-3								
1,1-Dichloropropene	97		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	115		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	**62**	Q	-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	102		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl Methacrylate	90		-		70-130	-		
Heptane	87		-		70-130	-		
cis-1,3-Dichloropropene	88		-		70-130	-		
4-Methyl-2-pentanone	86		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	97		-		70-130	-		
1,3-Dichloropropane	89		-		70-130	-		
2-Hexanone	85		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Butyl Acetate	78		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1901016

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197111-3								
Octane	90		-		70-130	-		
Tetrachloroethene	98		-		70-130	-		
1,1,1,2-Tetrachloroethane	102		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	86		-		70-130	-		
Isopropylbenzene	100		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	99		-		70-130	-		
p-Chlorotoluene	99		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
Decane (C10)	100		-		70-130	-		
Benzyl chloride	126		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1901016

Report Date: 01/15/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197111-3								
1,3-Dichlorobenzene	106		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
sec-Butylbenzene	102		-		70-130	-		
p-Isopropyltoluene	99		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	112		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	103		-		70-130	-		
Dodecane (C12)	100		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Naphthalene	105		-		70-130	-		
1,2,3-Trichlorobenzene	102		-		70-130	-		
Hexachlorobutadiene	117		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197111-5 QC Sample: L1900997-02 Client ID: DUP Sample						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	8.18	7.66	ppbV	7		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197111-5 QC Sample: L1900997-02 Client ID: DUP Sample						
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	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
Xylene (Total)	16.0	15.5	ppbV	3		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	4.08	3.84	ppbV	6		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

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197111-5 QC Sample: L1900997-02 Client ID: DUP Sample						
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.34	2.30	ppbV	2		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	2.22	1.86	ppbV	18		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	2.72	2.54	ppbV	7		25
p/m-Xylene	10.0	9.74	ppbV	3		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	5.98	5.74	ppbV	4		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	1.60	1.62	ppbV	1		25
1,2,4-Trimethylbenzene	1.50	1.54	ppbV	3		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197111-5 QC Sample: L1900997-02 Client ID: DUP Sample						
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: 47-50 30TH ST., LIC

Project Number: 1690010617-001

Lab Number: L1901016

Report Date: 01/15/19

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
L1901016-01	SV8-20190108	01031	Flow 4	01/07/19	282328		-	-	-	Pass	18.0	17.3	4
L1901016-01	SV8-20190108	2606	2.7L Can	01/07/19	282328	L1900223-01	Pass	-29.4	-4.6	-	-	-	-
L1901016-02	SV9-20190108	0079	Flow 3	01/07/19	282328		-	-	-	Pass	18.0	23.2	25
L1901016-02	SV9-20190108	472	2.7L Can	01/07/19	282328	L1900223-01	Pass	-29.4	-5.0	-	-	-	-
L1901016-03	SV10-20190108	01146	SV20	01/07/19	282328		-	-	-	Pass	18.3	16.8	9
L1901016-03	SV10-20190108	257	2.7L Can	01/07/19	282328	L1900223-01	Pass	-28.8	-4.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/19 16:22
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/19 16:22
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/15/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: 47-50 30TH ST., LIC
Project Number: 1690010617-001

Lab Number: L1901016
Report Date: 01/15/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901016-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1901016-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1901016-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1901016
Project Number:	1690010617-001	**Report Date:**	01/15/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report

Project Name:	47-50 30TH ST., LIC	**Lab Number:**	L1901016
Project Number:	1690010617-001	**Report Date:**	01/15/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - ~~NJ~~ NY

Date Rec'd in Lab: 1/10/19 | ALPHA Job#: L1901016

Client Contact Information
Company: Ramboll
Address: 101 Carnegie Center
City/State/Zip: Princeton, NJ 08540
Phone: 609-243-9816
FAX:
Email: eddprinceton@ramboll.com
Site Contact: Matthew Sweet
Site Contact Phone:

Project Information
Project Name: 475D 30th LIC
Project No: 475D 30th LIC NY 11101
Site/Location: 1690010617-001
Project Manager: Matthew Sweet

Analysis Turn-Around Time
Standard (Specify) ✓
Rush (Specify)

NJ DEP Information
Bureau: Division: Contract No:

Report Information - Data Deliverables:
☐ FAX:
☐ ADEx ☐ Criteria Checker:
☐ EMail (standard pdf report)

Billing Information
☐ Same as Client Info PO #:

____ of ____ COCs

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field (Hg) (Start)	Canister Pressure in Field (Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure (Hg) (Note1)	Incoming Canister Pressure (Hg) (Note 2)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min) (Note1)	Batch Cert ID (Note 1)	Analysis: TO-15	EPA 3C	TO-15 + Naphthalene			Matrix: Indoor / Ambient Air	Soil Gas		
901601	SV8-20190108	1/8/19	2054	2302	-29.82	-4.97	75	75			01031	2606	2.7	18				X				X		
-02	SV9-20190108	1/8/19	1858	2035	-29.75	-5.00	75	75			00779	472	2.7	18				X				X		
-03	SV10-20190108	1/8/19	2045	2249	-28.84	-5.01	75	75			01146	257	2.7	18		X						X		

Custody Seals:
Outgoing Seal No: (refer to crate seal)
Incoming Seal No: (if applicable)

Temperature (Fahrenheit)

	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (inches of Hg)

	Ambient	Maximum	Minimum	
Start				
Stop				

Individual Preparing Canister/Containers and Laboratory Canister Certification
Name:
Signature:

Footnotes:
(1) Refer to equipment tags for these readings.
(2) Readings provided in data deliverable package.

IPS

Special Instructions/QC Requirements & Comments:
Send results to eddprinceton@ramboll.com

Canisters Shipped by: BK	Date/Time: 1/9/19 12:55	Canisters Received by: Remek Jakson 1A	Date/Time: 1/9 1255
Samples Relinquished by:	Date/Time: 1/9 1900	Received by: 1/9 720	Date/Time:
Relinquished by:	Date/Time: 1/10 0800	Received by: Brendan Sour	Date/Time: 1/10/19 900

Brendan Sour 1/10/19 1000
1/10/19 10:00

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

Note: Combined External Chain of Custody and NJDEP Field Test Data Sheet

ANALYTICAL REPORT

Lab Number:	L1901252
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH LIC
Project Number:	1690010617-001
Report Date:	01/18/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901252-01	SB2-SS01-20190109	SOIL	47-50 30TH ST., LIC, NY 11101	01/09/19 15:40	01/10/19
L1901252-02	SB3-SS01-20190109	SOIL	47-50 30TH ST., LIC, NY 11101	01/09/19 17:46	01/10/19
L1901252-03	SB3-SS02-20190109	SOIL	47-50 30TH ST., LIC, NY 11101	01/09/19 18:22	01/10/19
L1901252-04	TW3-20190109	WATER	47-50 30TH ST., LIC, NY 11101	01/09/19 21:25	01/10/19
L1901252-05	TW3DUP-20190109	WATER	47-50 30TH ST., LIC, NY 11101	01/09/19 21:25	01/10/19

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	47-50 30TH LIC	**Lab Number:**	L1901252
Project Number:	1690010617-001	**Report Date:**	01/18/19

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L1901252-01 and -02: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1197268-1 Method Blank, associated with L1901252-04 and -05, has a concentration above the reporting limit for bis(2-ethylhexyl)phthalate. The results of the original analyses are reported and are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this analyte.

Total Metals

L1901252-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1196922-1 Method Blank, associated with L1901252-01, -02, and -03, has concentrations above the reporting limits for iron and manganese. Since the associated sample concentrations are greater than 10x the blank concentrations for these analytes, no corrective action is required.

Dissolved Metals

The WG1196742-3 MS recoveries for calcium (0%), iron (64%), magnesium (73%), manganese (68%), and sodium (0%), performed on L1901252-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1196742-3 MS recovery, performed on L1901252-04, is outside the acceptance criteria for potassium (58%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total

WG1197393: A Matrix Spike and Matrix Spike Duplicate were prepared with the sample batch, however, the

Project Name:	47-50 30TH LIC	**Lab Number:**	L1901252
Project Number:	1690010617-001	**Report Date:**	01/18/19

Case Narrative (continued)

native sample was not available for reporting; therefore, the Matrix Spike and Matrix Spike Duplicate results could not be reported.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/18/19

ORGANICS

VOLATILES

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/15/19 14:28
Analyst: MV
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	520	240	2
1,1-Dichloroethane	ND		ug/kg	100	15.	2
Chloroform	ND		ug/kg	150	14.	2
Carbon tetrachloride	ND		ug/kg	100	24.	2
1,2-Dichloropropane	ND		ug/kg	100	13.	2
Dibromochloromethane	ND		ug/kg	100	14.	2
1,1,2-Trichloroethane	ND		ug/kg	100	28.	2
Tetrachloroethene	18000		ug/kg	52	20.	2
Chlorobenzene	ND		ug/kg	52	13.	2
Trichlorofluoromethane	ND		ug/kg	410	72.	2
1,2-Dichloroethane	ND		ug/kg	100	26.	2
1,1,1-Trichloroethane	ND		ug/kg	52	17.	2
Bromodichloromethane	ND		ug/kg	52	11.	2
trans-1,3-Dichloropropene	ND		ug/kg	100	28.	2
cis-1,3-Dichloropropene	ND		ug/kg	52	16.	2
1,3-Dichloropropene, Total	ND		ug/kg	52	16.	2
1,1-Dichloropropene	ND		ug/kg	52	16.	2
Bromoform	ND		ug/kg	410	25.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	52	17.	2
Benzene	ND		ug/kg	52	17.	2
Toluene	ND		ug/kg	100	56.	2
Ethylbenzene	ND		ug/kg	100	14.	2
Chloromethane	ND		ug/kg	410	96.	2
Bromomethane	ND		ug/kg	210	60.	2
Vinyl chloride	ND		ug/kg	100	34.	2
Chloroethane	ND		ug/kg	210	47.	2
1,1-Dichloroethene	ND		ug/kg	100	24.	2
trans-1,2-Dichloroethene	ND		ug/kg	150	14.	2

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D Date Collected: 01/09/19 15:40

Client ID: SB2-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	23	J	ug/kg	52	14.	2
1,2-Dichlorobenzene	5100		ug/kg	210	15.	2
1,3-Dichlorobenzene	270		ug/kg	210	15.	2
1,4-Dichlorobenzene	1100		ug/kg	210	18.	2
Methyl tert butyl ether	ND		ug/kg	210	21.	2
p/m-Xylene	ND		ug/kg	210	58.	2
o-Xylene	ND		ug/kg	100	30.	2
Xylenes, Total	ND		ug/kg	100	30.	2
cis-1,2-Dichloroethene	ND		ug/kg	100	18.	2
1,2-Dichloroethene, Total	ND		ug/kg	100	14.	2
Dibromomethane	ND		ug/kg	210	24.	2
Styrene	ND		ug/kg	100	20.	2
Dichlorodifluoromethane	ND		ug/kg	1000	94.	2
Acetone	ND		ug/kg	1000	500	2
Carbon disulfide	ND		ug/kg	1000	470	2
2-Butanone	ND		ug/kg	1000	230	2
Vinyl acetate	ND		ug/kg	1000	220	2
4-Methyl-2-pentanone	ND		ug/kg	1000	130	2
1,2,3-Trichloropropane	ND		ug/kg	210	13.	2
2-Hexanone	ND		ug/kg	1000	120	2
Bromochloromethane	ND		ug/kg	210	21.	2
2,2-Dichloropropane	ND		ug/kg	210	21.	2
1,2-Dibromoethane	ND		ug/kg	100	29.	2
1,3-Dichloropropane	ND		ug/kg	210	17.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	52	14.	2
Bromobenzene	ND		ug/kg	210	15.	2
n-Butylbenzene	ND		ug/kg	100	17.	2
sec-Butylbenzene	ND		ug/kg	100	15.	2
tert-Butylbenzene	ND		ug/kg	210	12.	2
o-Chlorotoluene	ND		ug/kg	210	20.	2
p-Chlorotoluene	ND		ug/kg	210	11.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	100	2
Hexachlorobutadiene	ND		ug/kg	410	17.	2
Isopropylbenzene	ND		ug/kg	100	11.	2
p-Isopropyltoluene	ND		ug/kg	100	11.	2
Naphthalene	ND		ug/kg	410	67.	2
Acrylonitrile	ND		ug/kg	410	120	2

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D Date Collected: 01/09/19 15:40

Client ID: SB2-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	100	18.	2
1,2,3-Trichlorobenzene	54	J	ug/kg	210	33.	2
1,2,4-Trichlorobenzene	570		ug/kg	210	28.	2
1,3,5-Trimethylbenzene	ND		ug/kg	210	20.	2
1,2,4-Trimethylbenzene	ND		ug/kg	210	34.	2
1,4-Dioxane	ND		ug/kg	10000	3600	2
p-Diethylbenzene	ND		ug/kg	210	18.	2
p-Ethyltoluene	ND		ug/kg	210	40.	2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	210	20.	2
Ethyl ether	ND		ug/kg	210	35.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	520	150	2
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/15/19 14:54
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	52	7.6	1
Chloroform	ND		ug/kg	78	7.3	1
Carbon tetrachloride	ND		ug/kg	52	12.	1
1,2-Dichloropropane	ND		ug/kg	52	6.5	1
Dibromochloromethane	ND		ug/kg	52	7.3	1
1,1,2-Trichloroethane	ND		ug/kg	52	14.	1
Tetrachloroethene	6800		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.6	1
Trichlorofluoromethane	ND		ug/kg	210	36.	1
1,2-Dichloroethane	ND		ug/kg	52	13.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.7	1
Bromodichloromethane	ND		ug/kg	26	5.7	1
trans-1,3-Dichloropropene	ND		ug/kg	52	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.2	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.2	1
1,1-Dichloropropene	ND		ug/kg	26	8.3	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.6	1
Benzene	ND		ug/kg	26	8.6	1
Toluene	ND		ug/kg	52	28.	1
Ethylbenzene	ND		ug/kg	52	7.4	1
Chloromethane	ND		ug/kg	210	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	52	17.	1
Chloroethane	ND		ug/kg	100	24.	1
1,1-Dichloroethene	ND		ug/kg	52	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	78	7.1	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02 Date Collected: 01/09/19 17:46

Client ID: SB3-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	26	7.1	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.5	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.7	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.9	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	29.	1
o-Xylene	ND		ug/kg	52	15.	1
Xylenes, Total	ND		ug/kg	52	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	52	9.1	1
1,2-Dichloroethene, Total	ND		ug/kg	52	7.1	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	52	10.	1
Dichlorodifluoromethane	ND		ug/kg	520	48.	1
Acetone	ND		ug/kg	520	250	1
Carbon disulfide	ND		ug/kg	520	240	1
2-Butanone	ND		ug/kg	520	120	1
Vinyl acetate	ND		ug/kg	520	110	1
4-Methyl-2-pentanone	ND		ug/kg	520	67.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.6	1
2-Hexanone	ND		ug/kg	520	62.	1
Bromochloromethane	ND		ug/kg	100	11.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	52	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.9	1
Bromobenzene	ND		ug/kg	100	7.6	1
n-Butylbenzene	ND		ug/kg	52	8.7	1
sec-Butylbenzene	ND		ug/kg	52	7.6	1
tert-Butylbenzene	ND		ug/kg	100	6.2	1
o-Chlorotoluene	ND		ug/kg	100	10.	1
p-Chlorotoluene	ND		ug/kg	100	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	52.	1
Hexachlorobutadiene	ND		ug/kg	210	8.8	1
Isopropylbenzene	ND		ug/kg	52	5.7	1
p-Isopropyltoluene	ND		ug/kg	52	5.7	1
Naphthalene	35	J	ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	60.	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02 Date Collected: 01/09/19 17:46

Client ID: SB3-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	52	8.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	11	J	ug/kg	100	10.	1
1,2,4-Trimethylbenzene	28	J	ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	5200	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.2	1
p-Ethyltoluene	24	J	ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	10.	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	74.	1
Tentatively Identified Compounds						
Total TIC Compounds	227	J	ug/kg			1
Unknown	227	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/15/19 17:32
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	0.13	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	0.50		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03 Date Collected: 01/09/19 18:22

Client ID: SB3-SS02-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.84	1
Acetone	34		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.2	1
2-Butanone	2.9	J	ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	3.8		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03 Date Collected: 01/09/19 18:22

Client ID: SB3-SS02-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.32	J	ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	0.58	J	ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	1.8		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	91	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	1.6	J	ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	11.8	J	ug/kg			1
Unknown Alkane	2.33	J	ug/kg			1
Unknown Naphthalene	2.09	J	ug/kg			1
Unknown	1.93	J	ug/kg			1
Unknown	2.57	J	ug/kg			1
6,6-Dimethylhepta-2,4-diene	2.92	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/13/19 21:08
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.6		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	109		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/14/19 20:07
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	113		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/19 12:17
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1197259-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/19 12:17
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1197259-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/19 12:17
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1197259-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/19 12:17
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1197259-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 10:48
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1197594-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 10:48
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1197594-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 10:48
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1197594-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/14/19 10:48
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1197594-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	108		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1197848-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1197848-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1197848-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds			
Total TIC Compounds	312	J	ug/kg
Unknown	312	J	ug/kg

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1197848-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1198030-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1198030-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1198030-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	6.23	J	ug/kg
Unknown	6.23	J	ug/kg

Project Name: 47-50 30TH LIC
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Lab Number: L1901252
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/15/19 08:47
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1198030-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1197259-3 WG1197259-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	99		95		54-136	4		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	75		74		64-130	1		20
Bromomethane	**38**	Q	**36**	Q	39-139	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1197259-3 WG1197259-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		94		70-130	3		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		95		70-130	5		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		97		64-130	3		20
Acrylonitrile	110		110		70-130	0		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	75		74		36-147	1		20
Acetone	87		92		58-148	6		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	96		94		63-138	2		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	96		94		59-130	2		20
2-Hexanone	84		86		57-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1197259-3 WG1197259-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	99		97		70-130	2		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	95		92		70-130	3		20
n-Butylbenzene	98		93		53-136	5		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	96		92		70-130	4		20
o-Chlorotoluene	98		93		70-130	5		20
p-Chlorotoluene	96		93		70-130	3		20
1,2-Dibromo-3-chloropropane	94		89		41-144	5		20
Hexachlorobutadiene	78		77		63-130	1		20
Isopropylbenzene	98		93		70-130	5		20
p-Isopropyltoluene	96		92		70-130	4		20
Naphthalene	88		84		70-130	5		20
n-Propylbenzene	100		94		69-130	6		20
1,2,3-Trichlorobenzene	88		85		70-130	3		20
1,2,4-Trichlorobenzene	89		86		70-130	3		20
1,3,5-Trimethylbenzene	99		94		64-130	5		20
1,2,4-Trimethylbenzene	96		93		70-130	3		20
1,4-Dioxane	118		124		56-162	5		20
p-Diethylbenzene	92		89		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1197259-3 WG1197259-4								
p-Ethyltoluene	99		95		70-130	4		20
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	96		91		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		92		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1197594-3 WG1197594-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	92		95		54-136	3		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	78		80		64-130	3		20
Bromomethane	54		44		39-139	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1197594-3 WG1197594-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	**150**	Q	**150**	Q	55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	96		95		70-130	1		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	120		120		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	80		80		36-147	0		20
Acetone	85		87		58-148	2		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	95		100		63-138	5		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	88		97		59-130	10		20
2-Hexanone	81		89		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1197594-3 WG1197594-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	96		99		70-130	3		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	96		95		53-136	1		20
sec-Butylbenzene	97		96		70-130	1		20
tert-Butylbenzene	93		92		70-130	1		20
o-Chlorotoluene	95		94		70-130	1		20
p-Chlorotoluene	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	84		92		41-144	9		20
Hexachlorobutadiene	80		79		63-130	1		20
Isopropylbenzene	94		93		70-130	1		20
p-Isopropyltoluene	93		92		70-130	1		20
Naphthalene	79		84		70-130	6		20
n-Propylbenzene	96		94		69-130	2		20
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	81		82		70-130	1		20
1,3,5-Trimethylbenzene	96		95		64-130	1		20
1,2,4-Trimethylbenzene	94		92		70-130	2		20
1,4-Dioxane	108		124		56-162	14		20
p-Diethylbenzene	90		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1197594-3 WG1197594-4								
p-Ethyltoluene	96		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	81		82		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	91		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	99		96		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	106		107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1197848-3 WG1197848-4								
Methylene chloride	96		92		70-130	4		30
1,1-Dichloroethane	89		83		70-130	7		30
Chloroform	90		86		70-130	5		30
Carbon tetrachloride	90		84		70-130	7		30
1,2-Dichloropropane	90		85		70-130	6		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	101		98		70-130	3		30
Tetrachloroethene	102		92		70-130	10		30
Chlorobenzene	100		94		70-130	6		30
Trichlorofluoromethane	86		78		70-139	10		30
1,2-Dichloroethane	79		78		70-130	1		30
1,1,1-Trichloroethane	86		84		70-130	2		30
Bromodichloromethane	96		89		70-130	8		30
trans-1,3-Dichloropropene	91		88		70-130	3		30
cis-1,3-Dichloropropene	99		94		70-130	5		30
1,1-Dichloropropene	91		88		70-130	3		30
Bromoform	97		91		70-130	6		30
1,1,2,2-Tetrachloroethane	100		96		70-130	4		30
Benzene	99		92		70-130	7		30
Toluene	98		92		70-130	6		30
Ethylbenzene	97		92		70-130	5		30
Chloromethane	73		69		52-130	6		30
Bromomethane	110		106		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1197848-3 WG1197848-4								
Vinyl chloride	94		82		67-130	14		30
Chloroethane	85		80		50-151	6		30
1,1-Dichloroethene	101		94		65-135	7		30
trans-1,2-Dichloroethene	102		97		70-130	5		30
Trichloroethene	97		90		70-130	7		30
1,2-Dichlorobenzene	101		95		70-130	6		30
1,3-Dichlorobenzene	102		96		70-130	6		30
1,4-Dichlorobenzene	102		96		70-130	6		30
Methyl tert butyl ether	96		92		66-130	4		30
p/m-Xylene	102		94		70-130	8		30
o-Xylene	101		92		70-130	9		30
cis-1,2-Dichloroethene	102		96		70-130	6		30
Dibromomethane	94		91		70-130	3		30
Styrene	102		94		70-130	8		30
Dichlorodifluoromethane	91		82		30-146	10		30
Acetone	78		77		54-140	1		30
Carbon disulfide	97		89		59-130	9		30
2-Butanone	**67**	Q	74		70-130	10		30
Vinyl acetate	80		74		70-130	8		30
4-Methyl-2-pentanone	78		77		70-130	1		30
1,2,3-Trichloropropane	96		89		68-130	8		30
2-Hexanone	73		72		70-130	1		30
Bromochloromethane	105		101		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1197848-3 WG1197848-4								
2,2-Dichloropropane	89		81		70-130	9		30
1,2-Dibromoethane	104		100		70-130	4		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	101		93		70-130	8		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	101		92		70-130	9		30
sec-Butylbenzene	104		93		70-130	11		30
tert-Butylbenzene	102		92		70-130	10		30
o-Chlorotoluene	96		87		70-130	10		30
p-Chlorotoluene	96		89		70-130	8		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	108		98		67-130	10		30
Isopropylbenzene	102		91		70-130	11		30
p-Isopropyltoluene	104		95		70-130	9		30
Naphthalene	105		102		70-130	3		30
Acrylonitrile	70		70		70-130	0		30
n-Propylbenzene	100		90		70-130	11		30
1,2,3-Trichlorobenzene	106		99		70-130	7		30
1,2,4-Trichlorobenzene	105		101		70-130	4		30
1,3,5-Trimethylbenzene	100		92		70-130	8		30
1,2,4-Trimethylbenzene	102		93		70-130	9		30
1,4-Dioxane	92		93		65-136	1		30
p-Diethylbenzene	106		96		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1197848-3 WG1197848-4								
p-Ethyltoluene	101		92		70-130	9		30
1,2,4,5-Tetramethylbenzene	103		96		70-130	7		30
Ethyl ether	97		96		67-130	1		30
trans-1,4-Dichloro-2-butene	77		76		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	96		93		70-130
Dibromofluoromethane	91		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1198030-3 WG1198030-4								
Methylene chloride	96		92		70-130	4		30
1,1-Dichloroethane	89		83		70-130	7		30
Chloroform	90		86		70-130	5		30
Carbon tetrachloride	90		84		70-130	7		30
1,2-Dichloropropane	90		85		70-130	6		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	101		98		70-130	3		30
Tetrachloroethene	102		92		70-130	10		30
Chlorobenzene	100		94		70-130	6		30
Trichlorofluoromethane	86		78		70-139	10		30
1,2-Dichloroethane	79		78		70-130	1		30
1,1,1-Trichloroethane	86		84		70-130	2		30
Bromodichloromethane	96		89		70-130	8		30
trans-1,3-Dichloropropene	91		88		70-130	3		30
cis-1,3-Dichloropropene	99		94		70-130	5		30
1,1-Dichloropropene	91		88		70-130	3		30
Bromoform	97		91		70-130	6		30
1,1,2,2-Tetrachloroethane	100		96		70-130	4		30
Benzene	99		92		70-130	7		30
Toluene	98		92		70-130	6		30
Ethylbenzene	97		92		70-130	5		30
Chloromethane	73		69		52-130	6		30
Bromomethane	110		106		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1198030-3 WG1198030-4								
Vinyl chloride	94		82		67-130	14		30
Chloroethane	85		80		50-151	6		30
1,1-Dichloroethene	101		94		65-135	7		30
trans-1,2-Dichloroethene	102		97		70-130	5		30
Trichloroethene	97		90		70-130	7		30
1,2-Dichlorobenzene	101		95		70-130	6		30
1,3-Dichlorobenzene	102		96		70-130	6		30
1,4-Dichlorobenzene	102		96		70-130	6		30
Methyl tert butyl ether	96		92		66-130	4		30
p/m-Xylene	102		94		70-130	8		30
o-Xylene	101		92		70-130	9		30
cis-1,2-Dichloroethene	102		96		70-130	6		30
Dibromomethane	94		91		70-130	3		30
Styrene	102		94		70-130	8		30
Dichlorodifluoromethane	91		82		30-146	10		30
Acetone	78		77		54-140	1		30
Carbon disulfide	97		89		59-130	9		30
2-Butanone	**67**	Q	74		70-130	10		30
Vinyl acetate	80		74		70-130	8		30
4-Methyl-2-pentanone	78		77		70-130	1		30
1,2,3-Trichloropropane	96		89		68-130	8		30
2-Hexanone	73		72		70-130	1		30
Bromochloromethane	105		101		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1198030-3 WG1198030-4								
2,2-Dichloropropane	89		81		70-130	9		30
1,2-Dibromoethane	104		100		70-130	4		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	101		93		70-130	8		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	101		92		70-130	9		30
sec-Butylbenzene	104		93		70-130	11		30
tert-Butylbenzene	102		92		70-130	10		30
o-Chlorotoluene	96		87		70-130	10		30
p-Chlorotoluene	96		89		70-130	8		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	108		98		67-130	10		30
Isopropylbenzene	102		91		70-130	11		30
p-Isopropyltoluene	104		95		70-130	9		30
Naphthalene	105		102		70-130	3		30
Acrylonitrile	70		70		70-130	0		30
n-Propylbenzene	100		90		70-130	11		30
1,2,3-Trichlorobenzene	106		99		70-130	7		30
1,2,4-Trichlorobenzene	105		101		70-130	4		30
1,3,5-Trimethylbenzene	100		92		70-130	8		30
1,2,4-Trimethylbenzene	102		93		70-130	9		30
1,4-Dioxane	92		93		65-136	1		30
p-Diethylbenzene	106		96		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1198030-3 WG1198030-4								
p-Ethyltoluene	101		92		70-130	9		30
1,2,4,5-Tetramethylbenzene	103		96		70-130	7		30
Ethyl ether	97		96		67-130	1		30
trans-1,4-Dichloro-2-butene	77		76		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	96		93		70-130
Dibromofluoromethane	91		93		70-130

SEMIVOLATILES

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 16:07
Analyst: RC
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260	J	ug/kg	280	36.	2
1,2,4-Trichlorobenzene	390		ug/kg	350	40.	2
Hexachlorobenzene	ND		ug/kg	210	39.	2
Bis(2-chloroethyl)ether	ND		ug/kg	310	47.	2
2-Chloronaphthalene	ND		ug/kg	350	34.	2
1,2-Dichlorobenzene	2500		ug/kg	350	62.	2
1,3-Dichlorobenzene	160	J	ug/kg	350	60.	2
1,4-Dichlorobenzene	590		ug/kg	350	60.	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	92.	2
2,4-Dinitrotoluene	ND		ug/kg	350	69.	2
2,6-Dinitrotoluene	ND		ug/kg	350	59.	2
Fluoranthene	3700		ug/kg	210	40.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	37.	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	53.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	59.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	370	35.	2
Hexachlorobutadiene	ND		ug/kg	350	51.	2
Hexachlorocyclopentadiene	ND		ug/kg	990	310	2
Hexachloroethane	ND		ug/kg	280	56.	2
Isophorone	ND		ug/kg	310	45.	2
Naphthalene	190	J	ug/kg	350	42.	2
Nitrobenzene	ND		ug/kg	310	51.	2
NDPA/DPA	ND		ug/kg	280	39.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	54.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	350	120	2
Butyl benzyl phthalate	ND		ug/kg	350	87.	2
Di-n-butylphthalate	ND		ug/kg	350	66.	2
Di-n-octylphthalate	ND		ug/kg	350	120	2

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D Date Collected: 01/09/19 15:40

Client ID: SB2-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	350	32.	2
Dimethyl phthalate	ND		ug/kg	350	73.	2
Benzo(a)anthracene	1800		ug/kg	210	39.	2
Benzo(a)pyrene	1800		ug/kg	280	84.	2
Benzo(b)fluoranthene	2600		ug/kg	210	58.	2
Benzo(k)fluoranthene	770		ug/kg	210	55.	2
Chrysene	1800		ug/kg	210	36.	2
Acenaphthylene	310		ug/kg	280	54.	2
Anthracene	640		ug/kg	210	68.	2
Benzo(ghi)perylene	1300		ug/kg	280	41.	2
Fluorene	220	J	ug/kg	350	34.	2
Phenanthrene	2500		ug/kg	210	42.	2
Dibenzo(a,h)anthracene	310		ug/kg	210	40.	2
Indeno(1,2,3-cd)pyrene	1300		ug/kg	280	48.	2
Pyrene	3200		ug/kg	210	34.	2
Biphenyl	ND		ug/kg	790	80.	2
4-Chloroaniline	ND		ug/kg	350	63.	2
2-Nitroaniline	ND		ug/kg	350	67.	2
3-Nitroaniline	ND		ug/kg	350	65.	2
4-Nitroaniline	ND		ug/kg	350	140	2
Dibenzofuran	150	J	ug/kg	350	33.	2
2-Methylnaphthalene	130	J	ug/kg	420	42.	2
1,2,4,5-Tetrachlorobenzene	76	J	ug/kg	350	36.	2
Acetophenone	ND		ug/kg	350	43.	2
2,4,6-Trichlorophenol	ND		ug/kg	210	66.	2
p-Chloro-m-cresol	ND		ug/kg	350	52.	2
2-Chlorophenol	ND		ug/kg	350	41.	2
2,4-Dichlorophenol	ND		ug/kg	310	56.	2
2,4-Dimethylphenol	ND		ug/kg	350	110	2
2-Nitrophenol	ND		ug/kg	750	130	2
4-Nitrophenol	ND		ug/kg	480	140	2
2,4-Dinitrophenol	ND		ug/kg	1700	160	2
4,6-Dinitro-o-cresol	ND		ug/kg	900	170	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	52.	2
2-Methylphenol	67	J	ug/kg	350	54.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	54.	2

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01 D
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	350	66.	2
Benzoic Acid	ND		ug/kg	1100	350	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	300	J	ug/kg	350	34.	2
Tentatively Identified Compounds						
Total TIC Compounds	6580	J	ug/kg			2
Unknown	299	J	ug/kg			2
Unknown Naphthalene	580	J	ug/kg			2
Tetrachloroethene	4950	NJ	ug/kg			2
Unknown	459	J	ug/kg			2
Unknown PAH	296	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	52		18-120

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02 D
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 16:32
Analyst: RC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	69	J	ug/kg	280	37.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	40.	2
Hexachlorobenzene	ND		ug/kg	210	40.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	48.	2
2-Chloronaphthalene	ND		ug/kg	350	35.	2
1,2-Dichlorobenzene	ND		ug/kg	350	64.	2
1,3-Dichlorobenzene	ND		ug/kg	350	61.	2
1,4-Dichlorobenzene	ND		ug/kg	350	62.	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	71.	2
2,6-Dinitrotoluene	ND		ug/kg	350	61.	2
Fluoranthene	2100		ug/kg	210	41.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	38.	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	54.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	60.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	35.	2
Hexachlorobutadiene	ND		ug/kg	350	52.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	320	2
Hexachloroethane	ND		ug/kg	280	57.	2
Isophorone	ND		ug/kg	320	46.	2
Naphthalene	90	J	ug/kg	350	43.	2
Nitrobenzene	ND		ug/kg	320	52.	2
NDPA/DPA	ND		ug/kg	280	40.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	55.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	350	120	2
Butyl benzyl phthalate	ND		ug/kg	350	89.	2
Di-n-butylphthalate	ND		ug/kg	350	67.	2
Di-n-octylphthalate	ND		ug/kg	350	120	2

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02 D Date Collected: 01/09/19 17:46

Client ID: SB3-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	350	33.	2
Dimethyl phthalate	ND		ug/kg	350	74.	2
Benzo(a)anthracene	1200		ug/kg	210	40.	2
Benzo(a)pyrene	1100		ug/kg	280	86.	2
Benzo(b)fluoranthene	1800		ug/kg	210	60.	2
Benzo(k)fluoranthene	580		ug/kg	210	57.	2
Chrysene	1200		ug/kg	210	37.	2
Acenaphthylene	220	J	ug/kg	280	55.	2
Anthracene	340		ug/kg	210	69.	2
Benzo(ghi)perylene	980		ug/kg	280	42.	2
Fluorene	72	J	ug/kg	350	34.	2
Phenanthrene	1100		ug/kg	210	43.	2
Dibenzo(a,h)anthracene	200	J	ug/kg	210	41.	2
Indeno(1,2,3-cd)pyrene	880		ug/kg	280	49.	2
Pyrene	1800		ug/kg	210	35.	2
Biphenyl	ND		ug/kg	810	82.	2
4-Chloroaniline	ND		ug/kg	350	64.	2
2-Nitroaniline	ND		ug/kg	350	68.	2
3-Nitroaniline	ND		ug/kg	350	67.	2
4-Nitroaniline	ND		ug/kg	350	150	2
Dibenzofuran	52	J	ug/kg	350	34.	2
2-Methylnaphthalene	71	J	ug/kg	420	43.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	37.	2
Acetophenone	ND		ug/kg	350	44.	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
p-Chloro-m-cresol	ND		ug/kg	350	53.	2
2-Chlorophenol	ND		ug/kg	350	42.	2
2,4-Dichlorophenol	ND		ug/kg	320	57.	2
2,4-Dimethylphenol	ND		ug/kg	350	120	2
2-Nitrophenol	ND		ug/kg	760	130	2
4-Nitrophenol	ND		ug/kg	500	140	2
2,4-Dinitrophenol	ND		ug/kg	1700	160	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	170	2
Pentachlorophenol	ND		ug/kg	280	78.	2
Phenol	ND		ug/kg	350	53.	2
2-Methylphenol	ND		ug/kg	350	55.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	55.	2

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02 D Date Collected: 01/09/19 17:46

Client ID: SB3-SS01-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	350	68.	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	130	J	ug/kg	350	34.	2
Tentatively Identified Compounds						
Total TIC Compounds	2890	J	ug/kg			2
Unknown	397	J	ug/kg			2
Tetrachloroethene	1770	NJ	ug/kg			2
Unknown PAH	285	J	ug/kg			2
Unknown	434	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	42		18-120

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 14:50
Analyst: RC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	470		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	3500		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	330		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03 Date Collected: 01/09/19 18:22

Client ID: SB3-SS02-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1300		ug/kg	110	21.	1
Benzo(a)pyrene	1300		ug/kg	150	46.	1
Benzo(b)fluoranthene	1500		ug/kg	110	32.	1
Benzo(k)fluoranthene	560		ug/kg	110	30.	1
Chrysene	1200		ug/kg	110	20.	1
Acenaphthylene	160		ug/kg	150	29.	1
Anthracene	840		ug/kg	110	37.	1
Benzo(ghi)perylene	590		ug/kg	150	22.	1
Fluorene	580		ug/kg	190	18.	1
Phenanthrene	2800		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	650		ug/kg	150	27.	1
Pyrene	3000		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	180	J	ug/kg	190	18.	1
2-Methylnaphthalene	170	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	32	J	ug/kg	270	30.	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03 Date Collected: 01/09/19 18:22

Client ID: SB3-SS02-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	170	J	ug/kg	190	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	9620	J	ug/kg			1
Unknown	253	J	ug/kg			1
Unknown	2300	J	ug/kg			1
Unknown Naphthalene	361	J	ug/kg			1
Unknown PAH	245	J	ug/kg			1
Unknown PAH	814	J	ug/kg			1
Unknown Thiophene	226	J	ug/kg			1
Unknown PAH	264	J	ug/kg			1
Unknown PAH	273	J	ug/kg			1
Unknown PAH	298	J	ug/kg			1
Unknown PAH	264	J	ug/kg			1
Unknown PAH	416	J	ug/kg			1
Unknown PAH	536	J	ug/kg			1
Unknown	321	J	ug/kg			1
Unknown PAH	271	J	ug/kg			1
Unknown	2780	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	49		18-120

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/16/19 04:40
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.4	JB	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	62.0	J	ug/l			1
Unknown	2.04	J	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown	2.33	J	ug/l			1
Unknown Alcohol	6.00	J	ug/l			1
Cyclic Octaatomic Sulfur	4.58	NJ	ug/l			1
Unknown	2.91	J	ug/l			1
Unknown	1.93	J	ug/l			1
Unknown	2.18	J	ug/l			1
Aldol Condensates	38.2	J	ug/l			1

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	73		41-149

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 21:30
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.1		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.33		ug/l	0.10	0.01	1
Phenanthrene	0.77		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.21		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	86		41-149

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/16/19 05:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	51.3	J	ug/l			1
Unknown	1.82	J	ug/l			1
Unknown	2.11	J	ug/l			1
Unknown	4.29	J	ug/l			1
Unknown	1.64	J	ug/l			1
Unknown	3.02	J	ug/l			1
Unknown Alcohol	2.11	J	ug/l			1
Aldol Condensates	31.0	J	ug/l			1
Cyclic Octaatomic Sulfur	5.27	NJ	ug/l			1

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	71		41-149

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 21:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.5		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.15		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.38		ug/l	0.10	0.01	1
Phenanthrene	0.88		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.24		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH LIC **Lab Number:** L1901252

Project Number: 1690010617-001 **Report Date:** 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05 Date Collected: 01/09/19 21:25

Client ID: TW3DUP-20190109 Date Received: 01/10/19

Sample Location: 47-50 30TH ST., LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	100		41-149

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	200	J	ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	46		18-120

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1197268-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	3.8		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1197268-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1197268-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	45.3	J	ug/l
Aldol Condensates	20.1	J	ug/l
Unknown Alcohol	1.93	J	ug/l
Unknown	7.64	J	ug/l
Unknown	7.38	J	ug/l
Unknown Alkene	6.25	J	ug/l
Unknown	2.04	J	ug/l

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1197268-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	60		41-149

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 13:36
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG1197269-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 13:36
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG1197269-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	55		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
Acenaphthene	55		49		31-137	12		50
1,2,4-Trichlorobenzene	58		49		38-107	17		50
Hexachlorobenzene	54		48		40-140	12		50
Bis(2-chloroethyl)ether	56		46		40-140	20		50
2-Chloronaphthalene	59		46		40-140	25		50
1,2-Dichlorobenzene	52		45		40-140	14		50
1,3-Dichlorobenzene	52		44		40-140	17		50
1,4-Dichlorobenzene	52		45		28-104	14		50
3,3'-Dichlorobenzidine	**36**	Q	**30**	Q	40-140	18		50
2,4-Dinitrotoluene	66		60		40-132	10		50
2,6-Dinitrotoluene	68		69		40-140	1		50
Fluoranthene	62		53		40-140	16		50
4-Chlorophenyl phenyl ether	50		46		40-140	8		50
4-Bromophenyl phenyl ether	54		49		40-140	10		50
Bis(2-chloroisopropyl)ether	50		43		40-140	15		50
Bis(2-chloroethoxy)methane	59		51		40-117	15		50
Hexachlorobutadiene	48		42		40-140	13		50
Hexachlorocyclopentadiene	52		47		40-140	10		50
Hexachloroethane	54		46		40-140	16		50
Isophorone	62		54		40-140	14		50
Naphthalene	52		46		40-140	12		50
Nitrobenzene	60		51		40-140	16		50
NDPA/DPA	57		53		36-157	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
n-Nitrosodi-n-propylamine	61		52		32-121	16		50
Bis(2-ethylhexyl)phthalate	53		51		40-140	4		50
Butyl benzyl phthalate	64		57		40-140	12		50
Di-n-butylphthalate	68		56		40-140	19		50
Di-n-octylphthalate	63		53		40-140	17		50
Diethyl phthalate	59		54		40-140	9		50
Dimethyl phthalate	63		64		40-140	2		50
Benzo(a)anthracene	51		46		40-140	10		50
Benzo(a)pyrene	67		53		40-140	23		50
Benzo(b)fluoranthene	67		52		40-140	25		50
Benzo(k)fluoranthene	63		51		40-140	21		50
Chrysene	51		47		40-140	8		50
Acenaphthylene	62		62		40-140	0		50
Anthracene	55		50		40-140	10		50
Benzo(ghi)perylene	55		50		40-140	10		50
Fluorene	56		52		40-140	7		50
Phenanthrene	53		48		40-140	10		50
Dibenzo(a,h)anthracene	54		49		40-140	10		50
Indeno(1,2,3-cd)pyrene	54		50		40-140	8		50
Pyrene	60		52		35-142	14		50
Biphenyl	62		**49**	Q	54-104	23		50
4-Chloroaniline	**28**	Q	**22**	Q	40-140	24		50
2-Nitroaniline	67		68		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
3-Nitroaniline	39		33		26-129	17		50
4-Nitroaniline	58		55		41-125	5		50
Dibenzofuran	54		48		40-140	12		50
2-Methylnaphthalene	57		48		40-140	17		50
1,2,4,5-Tetrachlorobenzene	58		54		40-117	7		50
Acetophenone	64		54		14-144	17		50
2,4,6-Trichlorophenol	65		54		30-130	18		50
p-Chloro-m-cresol	65		55		26-103	17		50
2-Chlorophenol	62		50		25-102	21		50
2,4-Dichlorophenol	66		56		30-130	16		50
2,4-Dimethylphenol	62		53		30-130	16		50
2-Nitrophenol	64		56		30-130	13		50
4-Nitrophenol	66		61		11-114	8		50
2,4-Dinitrophenol	72		64		4-130	12		50
4,6-Dinitro-o-cresol	68		64		10-130	6		50
Pentachlorophenol	55		51		17-109	8		50
Phenol	59		49		26-90	19		50
2-Methylphenol	60		51		30-130.	16		50
3-Methylphenol/4-Methylphenol	63		55		30-130	14		50
2,4,5-Trichlorophenol	64		53		30-130	19		50
Benzoic Acid	67		63		10-110	6		50
Benzyl Alcohol	65		55		40-140	17		50
Carbazole	58		**52**	Q	54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		51		25-120
Phenol-d6	62		52		10-120
Nitrobenzene-d5	60		51		23-120
2-Fluorobiphenyl	57		45		30-120
2,4,6-Tribromophenol	60		54		10-136
4-Terphenyl-d14	50		44		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1197268-2 WG1197268-3								
Acenaphthene	70		70		37-111	0		30
1,2,4-Trichlorobenzene	54		68		39-98	23		30
Hexachlorobenzene	72		69		40-140	4		30
Bis(2-chloroethyl)ether	64		69		40-140	8		30
2-Chloronaphthalene	90		85		40-140	6		30
1,2-Dichlorobenzene	59		66		40-140	11		30
1,3-Dichlorobenzene	57		62		40-140	8		30
1,4-Dichlorobenzene	57		64		36-97	12		30
3,3'-Dichlorobenzidine	72		52		40-140	**32**	Q	30
2,4-Dinitrotoluene	78		75		48-143	4		30
2,6-Dinitrotoluene	102		92		40-140	10		30
Fluoranthene	88		78		40-140	12		30
4-Chlorophenyl phenyl ether	73		73		40-140	0		30
4-Bromophenyl phenyl ether	75		74		40-140	1		30
Bis(2-chloroisopropyl)ether	68		73		40-140	7		30
Bis(2-chloroethoxy)methane	66		79		40-140	18		30
Hexachlorobutadiene	59		64		40-140	8		30
Hexachlorocyclopentadiene	62		66		40-140	6		30
Hexachloroethane	56		65		40-140	15		30
Isophorone	69		84		40-140	20		30
Naphthalene	69		71		40-140	3		30
Nitrobenzene	68		76		40-140	11		30
NDPA/DPA	80		77		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1197268-2 WG1197268-3								
n-Nitrosodi-n-propylamine	80		83		29-132	4		30
Bis(2-ethylhexyl)phthalate	90		85		40-140	6		30
Butyl benzyl phthalate	88		88		40-140	0		30
Di-n-butylphthalate	81		76		40-140	6		30
Di-n-octylphthalate	91		82		40-140	10		30
Diethyl phthalate	82		80		40-140	2		30
Dimethyl phthalate	104		98		40-140	6		30
Benzo(a)anthracene	89		81		40-140	9		30
Benzo(a)pyrene	115		88		40-140	27		30
Benzo(b)fluoranthene	110		85		40-140	26		30
Benzo(k)fluoranthene	94		88		40-140	7		30
Chrysene	85		81		40-140	5		30
Acenaphthylene	95		89		45-123	7		30
Anthracene	82		76		40-140	8		30
Benzo(ghi)perylene	86		80		40-140	7		30
Fluorene	75		73		40-140	3		30
Phenanthrene	78		74		40-140	5		30
Dibenzo(a,h)anthracene	87		81		40-140	7		30
Indeno(1,2,3-cd)pyrene	81		72		40-140	12		30
Pyrene	86		77		26-127	11		30
Biphenyl	83		81		40-140	2		30
4-Chloroaniline	75		42		40-140	**56**	Q	30
2-Nitroaniline	96		93		52-143	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1197268-2 WG1197268-3								
3-Nitroaniline	77		62		25-145	22		30
4-Nitroaniline	80		74		51-143	8		30
Dibenzofuran	70		71		40-140	1		30
2-Methylnaphthalene	75		83		40-140	10		30
1,2,4,5-Tetrachlorobenzene	70		74		2-134	6		30
Acetophenone	74		76		39-129	3		30
2,4,6-Trichlorophenol	95		94		30-130	1		30
p-Chloro-m-cresol	**102**	Q	97		23-97	5		30
2-Chlorophenol	72		75		27-123	4		30
2,4-Dichlorophenol	73		86		30-130	16		30
2,4-Dimethylphenol	67		62		30-130	8		30
2-Nitrophenol	62		76		30-130	20		30
4-Nitrophenol	**98**	Q	80		10-80	20		30
2,4-Dinitrophenol	84		81		20-130	4		30
4,6-Dinitro-o-cresol	80		78		20-164	3		30
Pentachlorophenol	86		86		9-103	0		30
Phenol	55		55		12-110	0		30
2-Methylphenol	81		78		30-130	4		30
3-Methylphenol/4-Methylphenol	86		78		30-130	10		30
2,4,5-Trichlorophenol	104		97		30-130	7		30
Benzoic Acid	69		76		10-164	10		30
Benzyl Alcohol	78		82		26-116	5		30
Carbazole	93		86		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1197268-2 WG1197268-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		64		21-120
Phenol-d6	53		52		10-120
Nitrobenzene-d5	69		72		23-120
2-Fluorobiphenyl	84		81		15-120
2,4,6-Tribromophenol	85		83		10-120
4-Terphenyl-d14	70		67		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1197269-2 WG1197269-3								
Acenaphthene	48		44		40-140	9		40
2-Chloronaphthalene	57		51		40-140	11		40
Fluoranthene	61		55		40-140	10		40
Hexachlorobutadiene	43		43		40-140	0		40
Naphthalene	46		44		40-140	4		40
Benzo(a)anthracene	60		55		40-140	9		40
Benzo(a)pyrene	54		50		40-140	8		40
Benzo(b)fluoranthene	52		48		40-140	8		40
Benzo(k)fluoranthene	53		50		40-140	6		40
Chrysene	55		51		40-140	8		40
Acenaphthylene	62		56		40-140	10		40
Anthracene	54		50		40-140	8		40
Benzo(ghi)perylene	41		**37**	Q	40-140	10		40
Fluorene	52		48		40-140	8		40
Phenanthrene	54		50		40-140	8		40
Dibenzo(a,h)anthracene	46		42		40-140	9		40
Indeno(1,2,3-cd)pyrene	54		49		40-140	10		40
Pyrene	62		55		40-140	12		40
2-Methylnaphthalene	53		49		40-140	8		40
Pentachlorophenol	56		50		40-140	11		40
Hexachlorobenzene	48		45		40-140	6		40
Hexachloroethane	**38**	Q	**38**	Q	40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1197269-2 WG1197269-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	30		29		21-120
Phenol-d6	29		27		10-120
Nitrobenzene-d5	53		50		23-120
2-Fluorobiphenyl	54		50		15-120
2,4,6-Tribromophenol	52		49		10-120
4-Terphenyl-d14	58		53		41-149

PCBS

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/14/19 16:03
Analyst: AWS
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 01/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	2.96	1	A
Aroclor 1221	ND		ug/kg	33.4	3.34	1	A
Aroclor 1232	ND		ug/kg	33.4	7.07	1	A
Aroclor 1242	ND		ug/kg	33.4	4.50	1	A
Aroclor 1248	ND		ug/kg	33.4	5.00	1	A
Aroclor 1254	ND		ug/kg	33.4	3.65	1	A
Aroclor 1260	ND		ug/kg	33.4	6.16	1	A
Aroclor 1262	ND		ug/kg	33.4	4.24	1	A
Aroclor 1268	5.12	J	ug/kg	33.4	3.46	1	A
PCBs, Total	5.12	J	ug/kg	33.4	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/14/19 16:16
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 01/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	3.20	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.65	1	A
Aroclor 1242	ND		ug/kg	36.1	4.86	1	A
Aroclor 1248	ND		ug/kg	36.1	5.41	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	ND		ug/kg	36.1	6.67	1	A
Aroclor 1262	ND		ug/kg	36.1	4.58	1	A
Aroclor 1268	44.4		ug/kg	36.1	3.74	1	B
PCBs, Total	44.4		ug/kg	36.1	3.20	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/14/19 14:58
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 01/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	5.06	1	A
Aroclor 1248	ND		ug/kg	37.5	5.63	1	A
Aroclor 1254	ND		ug/kg	37.5	4.11	1	A
Aroclor 1260	ND		ug/kg	37.5	6.94	1	A
Aroclor 1262	ND		ug/kg	37.5	4.77	1	A
Aroclor 1268	ND		ug/kg	37.5	3.89	1	A
PCBs, Total	ND		ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/14/19 07:10
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 12:49
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	0.041	J	ug/l	0.082	0.032	1	B
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	0.041	J	ug/l	0.082	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/14/19 07:23
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 12:49
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/14/19 00:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 01/12/19 10:54
Cleanup Method: EPA 3665A
Cleanup Date: 01/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG1197039-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	A
PCBs, Total	ND		ug/l	0.082	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/14/19 15:11
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 01/12/19 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 01/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1197080-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.22	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.94	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.33	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1197039-2 WG1197039-3									
Aroclor 1016	72		76		40-140	6		50	A
Aroclor 1260	75		80		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	A
Decachlorobiphenyl	71		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		77		30-150	B
Decachlorobiphenyl	77		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1197080-2 WG1197080-3									
Aroclor 1016	61		63		40-140	3		50	A
Aroclor 1260	58		61		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		61		30-150	A
Decachlorobiphenyl	61		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	61		62		30-150	B

PESTICIDES

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/14/19 13:50
Analyst: BM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 14:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.314	1	A
Lindane	ND		ug/kg	0.668	0.298	1	A
Alpha-BHC	ND		ug/kg	0.668	0.190	1	A
Beta-BHC	ND		ug/kg	1.60	0.608	1	A
Heptachlor	ND		ug/kg	0.801	0.359	1	A
Aldrin	ND		ug/kg	1.60	0.564	1	A
Heptachlor epoxide	ND		ug/kg	3.00	0.901	1	A
Endrin	ND		ug/kg	0.668	0.274	1	A
Endrin aldehyde	ND		ug/kg	2.00	0.701	1	A
Endrin ketone	ND		ug/kg	1.60	0.412	1	A
Dieldrin	ND		ug/kg	1.00	0.501	1	A
4,4'-DDE	ND		ug/kg	1.60	0.370	1	A
4,4'-DDD	ND		ug/kg	1.60	0.571	1	A
4,4'-DDT	ND		ug/kg	3.00	1.29	1	A
Endosulfan I	ND		ug/kg	1.60	0.378	1	A
Endosulfan II	ND		ug/kg	1.60	0.535	1	A
Endosulfan sulfate	ND		ug/kg	0.668	0.318	1	A
Methoxychlor	ND		ug/kg	3.00	0.935	1	A
Toxaphene	ND		ug/kg	30.0	8.41	1	A
cis-Chlordane	ND		ug/kg	2.00	0.558	1	A
trans-Chlordane	ND		ug/kg	2.00	0.529	1	A
Chlordane	ND		ug/kg	13.0	5.31	1	A

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/14/19 14:03
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 14:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.839	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.699	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.81	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	13.6	5.56	1	A

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/14/19 14:16
Analyst: BM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 01/12/19 14:21
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**3680**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/14/19 14:53
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/13/19 01:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.004	JP	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/14/19 15:05
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/13/19 01:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	0.007	JIP	ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.003	JIP	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/13/19 20:44
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/12/19 04:52
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1196978-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.657	0.294	A
Alpha-BHC	ND		ug/kg	0.657	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.789	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	A
Endrin	ND		ug/kg	0.657	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.690	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.986	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.563	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.527	A
Endosulfan sulfate	ND		ug/kg	0.657	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.920	A
Toxaphene	ND		ug/kg	29.6	8.28	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/13/19 20:44
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/12/19 04:52
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1196978-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/14/19 13:38
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/13/19 01:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG1197138-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A
4,4'-DDT	ND		ug/l	0.029	0.003	B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/14/19 13:38
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/13/19 01:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG1197138-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1196978-2 WG1196978-3									
Delta-BHC	118		97		30-150	20		30	A
Lindane	119		97		30-150	20		30	A
Alpha-BHC	127		105		30-150	19		30	A
Beta-BHC	103		88		30-150	16		30	A
Heptachlor	124		102		30-150	19		30	A
Aldrin	111		100		30-150	10		30	A
Heptachlor epoxide	130		103		30-150	23		30	A
Endrin	123		105		30-150	16		30	A
Endrin aldehyde	88		78		30-150	12		30	A
Endrin ketone	118		98		30-150	19		30	A
Dieldrin	128		111		30-150	14		30	A
4,4'-DDE	107		95		30-150	12		30	A
4,4'-DDD	120		103		30-150	15		30	A
4,4'-DDT	118		100		30-150	17		30	A
Endosulfan I	104		92		30-150	12		30	A
Endosulfan II	114		97		30-150	16		30	A
Endosulfan sulfate	100		86		30-150	15		30	A
Methoxychlor	103		85		30-150	19		30	A
cis-Chlordane	79		75		30-150	5		30	A
trans-Chlordane	92		67		30-150	**31**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1196978-2 WG1196978-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		80		30-150	B
Decachlorobiphenyl	100		96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		81		30-150	A
Decachlorobiphenyl	116		103		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1197138-2 WG1197138-3									
Delta-BHC	80		80		30-150	0		20	A
Lindane	78		76		30-150	2		20	A
Alpha-BHC	84		81		30-150	4		20	A
Beta-BHC	88		92		30-150	5		20	A
Heptachlor	73		72		30-150	2		20	A
Aldrin	68		67		30-150	1		20	A
Heptachlor epoxide	85		84		30-150	1		20	A
Endrin	80		80		30-150	0		20	A
Endrin aldehyde	78		79		30-150	2		20	A
Endrin ketone	81		82		30-150	2		20	A
Dieldrin	86		86		30-150	0		20	A
4,4'-DDE	79		78		30-150	1		20	A
4,4'-DDD	81		80		30-150	1		20	A
4,4'-DDT	78		79		30-150	1		20	A
Endosulfan I	78		84		30-150	7		20	A
Endosulfan II	78		78		30-150	1		20	A
Endosulfan sulfate	78		81		30-150	3		20	A
Methoxychlor	85		102		30-150	18		20	A
cis-Chlordane	71		70		30-150	1		20	A
trans-Chlordane	73		74		30-150	2		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1197138-2 WG1197138-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		60		30-150	A
Decachlorobiphenyl	63		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		64		30-150	B
Decachlorobiphenyl	63		71		30-150	B

METALS

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10600		mg/kg	8.38	2.26	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Antimony, Total	22.5		mg/kg	4.19	0.318	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Arsenic, Total	12.5		mg/kg	0.838	0.174	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Barium, Total	173		mg/kg	0.838	0.146	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Beryllium, Total	0.402	J	mg/kg	0.419	0.028	2	01/11/19 19:27	01/14/19 19:47	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.838	0.082	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Calcium, Total	17100		mg/kg	8.38	2.93	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Chromium, Total	179		mg/kg	0.838	0.080	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Cobalt, Total	1660		mg/kg	1.68	0.139	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Copper, Total	1880		mg/kg	0.838	0.216	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Iron, Total	99200		mg/kg	41.9	7.56	20	01/11/19 19:27	01/14/19 22:31	EPA 3050B	1,6010D	AB
Lead, Total	1450		mg/kg	4.19	0.224	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Magnesium, Total	5320		mg/kg	8.38	1.29	2	01/11/19 19:27	01/14/19 19:47	EPA 3050B	1,6010D	AB
Manganese, Total	1400		mg/kg	0.838	0.133	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Mercury, Total	0.172		mg/kg	0.066	0.014	1	01/12/19 06:30	01/12/19 13:16	EPA 7471B	1,7471B	BV
Nickel, Total	64.2		mg/kg	2.09	0.203	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Potassium, Total	1930		mg/kg	209	12.1	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Selenium, Total	0.829	J	mg/kg	1.68	0.216	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Silver, Total	1.62		mg/kg	0.838	0.237	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Sodium, Total	1770		mg/kg	168	2.64	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	16.8	2.64	20	01/11/19 19:27	01/14/19 22:31	EPA 3050B	1,6010D	AB
Vanadium, Total	35.6		mg/kg	0.838	0.170	2	01/11/19 19:27	01/14/19 17:08	EPA 3050B	1,6010D	AB
Zinc, Total	16600		mg/kg	41.9	2.45	20	01/11/19 19:27	01/14/19 22:31	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.58	2.32	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Antimony, Total	43.0		mg/kg	4.29	0.326	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Arsenic, Total	17.1		mg/kg	0.858	0.178	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Barium, Total	304		mg/kg	0.858	0.149	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Beryllium, Total	0.386	J	mg/kg	0.429	0.028	2	01/11/19 19:27	01/14/19 19:52	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.858	0.084	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Calcium, Total	23800		mg/kg	8.58	3.00	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Chromium, Total	190		mg/kg	0.858	0.082	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Cobalt, Total	1100		mg/kg	1.72	0.142	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Copper, Total	2170		mg/kg	0.858	0.221	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Iron, Total	108000		mg/kg	42.9	7.75	20	01/11/19 19:27	01/14/19 23:13	EPA 3050B	1,6010D	AB
Lead, Total	2470		mg/kg	4.29	0.230	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Magnesium, Total	5300		mg/kg	8.58	1.32	2	01/11/19 19:27	01/14/19 19:52	EPA 3050B	1,6010D	AB
Manganese, Total	4600		mg/kg	0.858	0.136	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Mercury, Total	0.433		mg/kg	0.068	0.014	1	01/12/19 06:30	01/12/19 13:18	EPA 7471B	1,7471B	BV
Nickel, Total	71.4		mg/kg	2.14	0.208	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Potassium, Total	2350		mg/kg	214	12.4	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Selenium, Total	2.08		mg/kg	1.72	0.221	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Silver, Total	3.10		mg/kg	0.858	0.243	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Sodium, Total	2420		mg/kg	172	2.70	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	17.2	2.70	20	01/11/19 19:27	01/14/19 23:13	EPA 3050B	1,6010D	AB
Vanadium, Total	36.8		mg/kg	0.858	0.174	2	01/11/19 19:27	01/14/19 17:12	EPA 3050B	1,6010D	AB
Zinc, Total	18000		mg/kg	42.9	2.51	20	01/11/19 19:27	01/14/19 23:13	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2050		mg/kg	9.19	2.48	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.59	0.349	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Arsenic, Total	0.606	J	mg/kg	0.919	0.191	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Barium, Total	18.7		mg/kg	0.919	0.160	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Beryllium, Total	0.101	J	mg/kg	0.459	0.030	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.919	0.090	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Calcium, Total	591		mg/kg	9.19	3.22	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Chromium, Total	6.56		mg/kg	0.919	0.088	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Cobalt, Total	3.25		mg/kg	1.84	0.152	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Copper, Total	8.32		mg/kg	0.919	0.237	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Iron, Total	4610		mg/kg	4.59	0.830	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Lead, Total	11.0		mg/kg	4.59	0.246	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Magnesium, Total	1010		mg/kg	9.19	1.41	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Manganese, Total	203		mg/kg	0.919	0.146	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.073	0.016	1	01/12/19 06:30	01/12/19 13:24	EPA 7471B	1,7471B	BV
Nickel, Total	4.87		mg/kg	2.30	0.222	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Potassium, Total	298		mg/kg	230	13.2	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.84	0.237	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.919	0.260	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Sodium, Total	56.5	J	mg/kg	184	2.89	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.84	0.289	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Vanadium, Total	7.95		mg/kg	0.919	0.186	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB
Zinc, Total	24.3		mg/kg	4.59	0.269	2	01/11/19 19:27	01/14/19 21:49	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.445		mg/l	0.0100	0.00327	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Antimony, Total	0.00170	J	mg/l	0.00400	0.00042	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00707		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Barium, Total	0.3855		mg/l	0.00050	0.00017	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Calcium, Total	196.		mg/l	0.100	0.0394	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Chromium, Total	0.00187		mg/l	0.00100	0.00017	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00546		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Copper, Total	0.01681		mg/l	0.00100	0.00038	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Iron, Total	16.0		mg/l	0.0600	0.0191	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Lead, Total	0.02329		mg/l	0.00100	0.00034	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Magnesium, Total	41.7		mg/l	0.0700	0.0242	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Manganese, Total	2.324		mg/l	0.00100	0.00044	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 22:42	EPA 7470A	1,7470A	EA
Nickel, Total	0.00520		mg/l	0.00200	0.00055	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Potassium, Total	31.3		mg/l	0.100	0.0309	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Silver, Total	0.00021	J	mg/l	0.00040	0.00016	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Sodium, Total	218.		mg/l	0.100	0.0293	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00191	J	mg/l	0.00500	0.00157	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Zinc, Total	0.05286		mg/l	0.01000	0.00341	1	01/11/19 14:32	01/14/19 12:20	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00194	J	mg/l	0.00400	0.00042	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00304		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2663		mg/l	0.00050	0.00017	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Calcium, Dissolved	204.		mg/l	0.100	0.0394	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00029	J	mg/l	0.00100	0.00017	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00467		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Iron, Dissolved	4.61		mg/l	0.0600	0.0191	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	44.2		mg/l	0.0700	0.0242	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Manganese, Dissolved	2.382		mg/l	0.00100	0.00044	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:30	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00418		mg/l	0.00200	0.00055	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Potassium, Dissolved	33.4		mg/l	0.100	0.0309	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Sodium, Dissolved	229.		mg/l	0.100	0.0293	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01141		mg/l	0.01000	0.00341	1	01/11/19 10:45	01/14/19 14:12	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.458		mg/l	0.0100	0.00327	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Antimony, Total	0.00176	J	mg/l	0.00400	0.00042	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00742		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Barium, Total	0.4049		mg/l	0.00050	0.00017	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Calcium, Total	207.		mg/l	0.100	0.0394	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Chromium, Total	0.00188		mg/l	0.00100	0.00017	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00591		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Copper, Total	0.01677		mg/l	0.00100	0.00038	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Iron, Total	17.0		mg/l	0.0600	0.0191	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Lead, Total	0.02675		mg/l	0.00100	0.00034	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Magnesium, Total	44.3		mg/l	0.0700	0.0242	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Manganese, Total	2.491		mg/l	0.00100	0.00044	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 22:44	EPA 7470A	1,7470A	EA
Nickel, Total	0.00569		mg/l	0.00200	0.00055	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Potassium, Total	32.5		mg/l	0.100	0.0309	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Sodium, Total	229.		mg/l	0.100	0.0293	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00207	J	mg/l	0.00500	0.00157	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Zinc, Total	0.05684		mg/l	0.01000	0.00341	1	01/11/19 14:32	01/14/19 12:24	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00144	J	mg/l	0.00400	0.00042	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00283		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2605		mg/l	0.00050	0.00017	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH LIC
Lab Number: L1901252
Project Number: 1690010617-001
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101
Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Calcium, Dissolved	199.		mg/l	0.100	0.0394	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00040	J	mg/l	0.00100	0.00017	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00454		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Iron, Dissolved	3.20		mg/l	0.0600	0.0191	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	42.9		mg/l	0.0700	0.0242	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Manganese, Dissolved	2.360		mg/l	0.00100	0.00044	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:39	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00422		mg/l	0.00200	0.00055	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Potassium, Dissolved	32.8		mg/l	0.100	0.0309	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Sodium, Dissolved	227.		mg/l	0.100	0.0293	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01087		mg/l	0.01000	0.00341	1	01/11/19 10:45	01/14/19 14:24	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 04-05 Batch: WG1196742-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Antimony, Dissolved	0.00071	J	mg/l	0.00400	0.00042	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Iron, Dissolved	0.0369	J	mg/l	0.0600	0.0191	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00050	0.00016	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Sodium, Dissolved	0.0684	J	mg/l	0.100	0.0293	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/11/19 10:45	01/14/19 13:08	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 04-05 Batch: WG1196780-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 20:13	1,7470A	EA

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 04-05 Batch: WG1196782-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/11/19 12:13	01/14/19 22:22	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 04-05 Batch: WG1196800-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Calcium, Total	0.0480	J	mg/l	0.100	0.0394	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Iron, Total	0.0199	J	mg/l	0.0600	0.0191	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/11/19 14:32	01/14/19 10:16	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1196922-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Antimony, Total	0.248	J	mg/kg	2.00	0.152	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Cobalt, Total	0.072	J	mg/kg	0.800	0.066	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Iron, Total	7.80		mg/kg	2.00	0.361	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Lead, Total	0.164	J	mg/kg	2.00	0.107	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Magnesium, Total	0.760	J	mg/kg	4.00	0.616	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Manganese, Total	0.528		mg/kg	0.400	0.064	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB
Zinc, Total	1.72	J	mg/kg	2.00	0.117	1	01/11/19 19:27	01/14/19 15:49	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1196980-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	01/12/19 06:30	01/12/19 13:03	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196742-2								
Aluminum, Dissolved	104		-		80-120	-		
Antimony, Dissolved	90		-		80-120	-		
Arsenic, Dissolved	102		-		80-120	-		
Barium, Dissolved	100		-		80-120	-		
Beryllium, Dissolved	105		-		80-120	-		
Cadmium, Dissolved	110		-		80-120	-		
Calcium, Dissolved	99		-		80-120	-		
Chromium, Dissolved	93		-		80-120	-		
Cobalt, Dissolved	95		-		80-120	-		
Copper, Dissolved	96		-		80-120	-		
Iron, Dissolved	110		-		80-120	-		
Lead, Dissolved	109		-		80-120	-		
Magnesium, Dissolved	102		-		80-120	-		
Manganese, Dissolved	97		-		80-120	-		
Nickel, Dissolved	96		-		80-120	-		
Potassium, Dissolved	100		-		80-120	-		
Selenium, Dissolved	114		-		80-120	-		
Silver, Dissolved	98		-		80-120	-		
Sodium, Dissolved	102		-		80-120	-		
Thallium, Dissolved	103		-		80-120	-		
Vanadium, Dissolved	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196742-2					
Zinc, Dissolved	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196780-2					
Mercury, Dissolved	114	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196782-2					
Mercury, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196800-2					
Aluminum, Total	97	-	80-120	-	
Antimony, Total	90	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Calcium, Total	106	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	97	-	80-120	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	96	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1196800-2					
Zinc, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1196922-2 SRM Lot Number: D101-540					
Aluminum, Total	69	-	50-151	-	
Antimony, Total	146	-	3-196	-	
Arsenic, Total	100	-	83-117	-	
Barium, Total	93	-	83-118	-	
Beryllium, Total	106	-	83-117	-	
Cadmium, Total	101	-	83-117	-	
Calcium, Total	94	-	81-119	-	
Chromium, Total	99	-	81-118	-	
Cobalt, Total	98	-	84-116	-	
Copper, Total	99	-	83-116	-	
Iron, Total	93	-	62-138	-	
Lead, Total	93	-	83-117	-	
Magnesium, Total	90	-	76-124	-	
Manganese, Total	94	-	82-118	-	
Nickel, Total	98	-	82-117	-	
Potassium, Total	82	-	71-130	-	
Selenium, Total	93	-	79-121	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	100	-	72-127	-	
Thallium, Total	95	-	81-119	-	
Vanadium, Total	97	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1196922-2 SRM Lot Number: D101-540					
Zinc, Total	100	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1196980-2 SRM Lot Number: D101-540					
Mercury, Total	78	-	65-135	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196742-3 QC Sample: L1901252-04 Client ID: TW3-20190109												
Aluminum, Dissolved	ND	2	1.98	99		-	-		75-125	-		20
Antimony, Dissolved	0.00194J	0.5	0.5285	106		-	-		75-125	-		20
Arsenic, Dissolved	0.00304	0.12	0.1234	100		-	-		75-125	-		20
Barium, Dissolved	0.2663	2	2.185	96		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.05181	104		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.05141	101		-	-		75-125	-		20
Calcium, Dissolved	204.	10	201	**0**	Q	-	-		75-125	-		20
Chromium, Dissolved	0.00029J	0.2	0.1835	92		-	-		75-125	-		20
Cobalt, Dissolved	0.00467	0.5	0.4670	92		-	-		75-125	-		20
Copper, Dissolved	ND	0.25	0.2274	91		-	-		75-125	-		20
Iron, Dissolved	4.61	1	5.25	**64**	Q	-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.5332	104		-	-		75-125	-		20
Magnesium, Dissolved	44.2	10	51.5	**73**	Q	-	-		75-125	-		20
Manganese, Dissolved	2.382	0.5	2.724	**68**	Q	-	-		75-125	-		20
Nickel, Dissolved	0.00418	0.5	0.4624	92		-	-		75-125	-		20
Potassium, Dissolved	33.4	10	39.2	**58**	Q	-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.133	111		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.04778	96		-	-		75-125	-		20
Sodium, Dissolved	229.	10	222	**0**	Q	-	-		75-125	-		20
Thallium, Dissolved	ND	0.12	0.1183	98		-	-		75-125	-		20
Vanadium, Dissolved	ND	0.5	0.4592	92		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196742-3 QC Sample: L1901252-04 Client ID: TW3-20190109										
Zinc, Dissolved	0.01141	0.5	0.5173	101		-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196780-3 QC Sample: L1900984-06 Client ID: MS Sample										
Mercury, Dissolved	ND	0.005	0.00499	100		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196782-3 QC Sample: L1901061-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00309	**62**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196800-3 QC Sample: L1901270-03 Client ID: MS Sample										
Aluminum, Total	0.053	2	2.09	102		-	-	75-125	-	20
Antimony, Total	0.0008J	0.5	0.5870	117		-	-	75-125	-	20
Arsenic, Total	0.0005J	0.12	0.1159	96		-	-	75-125	-	20
Barium, Total	0.1499	2	2.122	99		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05301	106		-	-	75-125	-	20
Cadmium, Total	0.0002	0.051	0.05486	107		-	-	75-125	-	20
Calcium, Total	148	10	162	**140**	Q	-	-	75-125	-	20
Chromium, Total	0.0007J	0.2	0.1897	95		-	-	75-125	-	20
Cobalt, Total	0.0010	0.5	0.4862	97		-	-	75-125	-	20
Copper, Total	0.00242	0.25	0.2405	95		-	-	75-125	-	20
Iron, Total	0.019J	1	1.07	107		-	-	75-125	-	20
Lead, Total	ND	0.51	0.4793	94		-	-	75-125	-	20
Magnesium, Total	16.9	10	27.7	108		-	-	75-125	-	20
Manganese, Total	0.8539	0.5	1.370	103		-	-	75-125	-	20
Nickel, Total	0.0016J	0.5	0.4841	97		-	-	75-125	-	20
Potassium, Total	7.25	10	17.5	102		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.109	91		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04873	97		-	-	75-125	-	20
Sodium, Total	249	10	263	**140**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1100	92		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4826	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196800-3 QC Sample: L1901270-03 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5248	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196922-3 WG1196922-4 QC Sample: L1901274-03 Client ID: MS Sample												
Aluminum, Total	3050	180	3000	**0**	Q	3700	**354**	Q	75-125	**21**	Q	20
Antimony, Total	0.492J	45	40.1	89		39.4	86		75-125	2		20
Arsenic, Total	0.529J	10.8	11.3	104		11.5	104		75-125	2		20
Barium, Total	15.9	180	188	96		187	93		75-125	1		20
Beryllium, Total	0.198J	4.5	4.85	108		4.74	103		75-125	2		20
Cadmium, Total	ND	4.59	4.45	97		4.32	92		75-125	3		20
Calcium, Total	325	900	1280	106		1460	124		75-125	13		20
Chromium, Total	7.24	18	24.0	93		26.2	103		75-125	9		20
Cobalt, Total	3.48	45	44.5	91		44.5	89		75-125	0		20
Copper, Total	6.75	22.5	26.8	89		26.4	86		75-125	2		20
Iron, Total	5830	90	5570	**0**	Q	6530	**763**	Q	75-125	16		20
Lead, Total	2.21J	45.9	45.0	98		45.0	96		75-125	0		20
Magnesium, Total	1450	900	2220	86		2650	**131**	Q	75-125	18		20
Manganese, Total	110	45	161	113		296	**405**	Q	75-125	**59**	Q	20
Nickel, Total	17.1	45	56.6	88		60.8	95		75-125	7		20
Potassium, Total	356	900	1210	95		1280	101		75-125	6		20
Selenium, Total	ND	10.8	10.2	94		9.84	89		75-125	4		20
Silver, Total	ND	27	28.5	106		27.8	101		75-125	2		20
Sodium, Total	68.6J	900	982	109		959	104		75-125	2		20
Thallium, Total	ND	10.8	9.40	87		9.09	82		75-125	3		20
Vanadium, Total	10.7	45	52.9	94		53.6	94		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196922-3 WG1196922-4 QC Sample: L1901274-03 Client ID: MS Sample									
Zinc, Total	17.1	45	58.3	92	63.7	102	75-125	9	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196980-3 QC Sample: L1901567-02 Client ID: MS Sample									
Mercury, Total	ND	0.142	0.118	83	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196742-4 QC Sample: L1901252-04 Client ID: TW3-20190109						
Aluminum, Dissolved	ND	ND	mg/l	NC		20
Antimony, Dissolved	0.00194J	0.00333J	mg/l	NC		20
Arsenic, Dissolved	0.00304	0.00324	mg/l	6		20
Barium, Dissolved	0.2663	0.2663	mg/l	0		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	204.	204	mg/l	0		20
Chromium, Dissolved	0.00029J	0.00104	mg/l	NC		20
Cobalt, Dissolved	0.00467	0.00476	mg/l	2		20
Copper, Dissolved	ND	ND	mg/l	NC		20
Iron, Dissolved	4.61	4.49	mg/l	3		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	44.2	43.1	mg/l	3		20
Manganese, Dissolved	2.382	2.423	mg/l	2		20
Nickel, Dissolved	0.00418	0.00413	mg/l	1		20
Potassium, Dissolved	33.4	32.6	mg/l	2		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	229.	227	mg/l	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196742-4 QC Sample: L1901252-04 Client ID: TW3-20190109					
Thallium, Dissolved	ND	0.00027J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.01141	0.01152	mg/l	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196780-4 QC Sample: L1900984-06 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196782-4 QC Sample: L1901061-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1196800-4 QC Sample: L1901270-03 Client ID: DUP Sample					
Copper, Total	0.00242	0.00248	mg/l	3	20
Lead, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196980-4 QC Sample: L1901567-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-01
Client ID: SB2-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 15:40
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	01/11/19 12:38	121,2540G	RI
Cyanide, Total	1.1		mg/kg	1.0	0.22	1	01/11/19 23:35	01/14/19 15:03	1,9010C/9012B	JO

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-02
Client ID: SB3-SS01-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 17:46
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	01/11/19 12:38	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	01/11/19 23:35	01/14/19 15:04	1,9010C/9012B	JO

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-03
Client ID: SB3-SS02-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 18:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	01/11/19 12:38	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	01/11/19 23:35	01/14/19 15:05	1,9010C/9012B	JO

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-04
Client ID: TW3-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:52	1,9010C/9012B	JO

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

SAMPLE RESULTS

Lab ID: L1901252-05
Client ID: TW3DUP-20190109
Sample Location: 47-50 30TH ST., LIC, NY 11101

Date Collected: 01/09/19 21:25
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:53	1,9010C/9012B	JO

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1196885-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	01/11/19 23:35	01/14/19 14:59	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG1197393-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:37	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1196885-2 WG1196885-3								
Cyanide, Total	85		83		80-120	7		35
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG1197393-2 WG1197393-3								
Cyanide, Total	110		108		85-115	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1196885-4 WG1196885-5 QC Sample: L1901274-03 Client ID: MS Sample												
Cyanide, Total	ND	11	10	89		10	90		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH LIC

Project Number: 1690010617-001

Lab Number: L1901252

Report Date: 01/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1196740-1 QC Sample: L1901312-01 Client ID: DUP Sample						
Solids, Total	89.1	85.0	%	5		20

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901252-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1901252-01B	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-01C	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1901252-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901252-01F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1901252-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1901252-02B	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-02C	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1901252-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901252-02F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1901252-03A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1901252-03B	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-03C	Vial water preserved	A	NA		3.5	Y	Absent	11-JAN-19 01:13	NYTCL-8260HLW(14)
L1901252-03D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901252-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901252-03F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1901252-04A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901252-04B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901252-04C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901252-04D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L1901252-04E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1901252-04F	Amber 250ml NaOH preserved	A	>12	>12	3.5	Y	Absent		TCN-9010(14)
L1901252-04G	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901252-04H	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901252-04I	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901252-04J	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901252-04K	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901252-04L	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901252-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1901252-05A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901252-05B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901252-05C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001

Lab Number: L1901252
Report Date: 01/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901252-05D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L1901252-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1901252-05F	Amber 250ml NaOH preserved	A	>12	>12	3.5	Y	Absent		TCN-9010(14)
L1901252-05G	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901252-05H	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901252-05I	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901252-05J	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901252-05K	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901252-05L	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901252-05X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH LIC	**Lab Number:**	L1901252
Project Number:	1690010617-001	**Report Date:**	01/18/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH LIC	**Lab Number:**	L1901252
Project Number:	1690010617-001	**Report Date:**	01/18/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name: 47-50 30TH LIC
Project Number: 1690010617-001
Lab Number: L1901252
Report Date: 01/18/19

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 1/10/19

ALPHA Job #: L1901252

Client Information
Client: Ramball
Address: 101 Carnegie Center
Princeton, NJ 08540
Phone: 609 243 9816
Fax:
Email: esdprinceton@ramball.com

Project Information
Project Name: 47-50 30th LIC
Project Location: 47-50 30th St. LIC, NY 11101
Project # 1690010617-001
(Use Project name as Project #)
Project Manager: M. Sweet
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ SRS Residential/Non Residential
☒ SRS Impact to Groundwater
☒ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☐ Same as Client Info
PO # 1690010617-001

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Total Solids - SM 2540	NJ TAL & TCL +30 TICs		NJ TAL & TCL +30 TICs (Lvl)	Dissolved TAL Metals				Sample Specific Comments	Total Bottle
01252-01	SB2-SS01-20190109	1/9/19	1540	SO	VS	X	X								
-02	SB3-SS01-20190109	1/9/19	1746	SO	VS	X	X								
-03	SB3-SS02-20190109	1/9/19	1822	SO	VS	X	X								
-04	TW3-20190109	1/9/19	2125	AQ	BK				X	X					
-05	TW3DUP-20190109	1/9/19	2125	AQ	BK				X	X					

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/10/19 14:10	PS	1/10/19 14:10
PS	1/10/19 15:45	D. Santos AAL	1/10/19 1900
D. Santos AAL	1/10/19 2230	Wendy Morenay	1/10/19 22:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1901257
Client:	Ramboll Environ 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH ST.
Project Number:	1690010617-001
Report Date:	01/16/19

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901257-01	SV2-20190109	SOIL_VAPOR	47-50 30TH ST. LIC	01/09/19 19:49	01/10/19
L1901257-02	SV1-20190109	SOIL_VAPOR	47-50 30TH ST. LIC	01/09/19 22:43	01/10/19
L1901257-03	SV3-20190109	SOIL_VAPOR	47-50 30TH ST. LIC	01/10/19 00:22	01/10/19

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901257
Project Number:	1690010617-001	**Report Date:**	01/16/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: 47-50 30TH ST. **Lab Number:** L1901257
Project Number: 1690010617-001 **Report Date:** 01/16/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 8, 2019. The canister certification results are provided as an addendum.

L1901257-01 through -03: results for Acetone should be considered estimated due to co-elution with a non-target peak.

L1901257-01 & -02: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1901257-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1197527-2 CC recovery for bromoform is above the upper 130% acceptance limit. All samples associated with this CCV do not have reportable amounts of this analyte.

The WG1197527-3 LCS recovery for bromoform (131%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 01/16/19

AIR

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-01 D
Client ID: SV2-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 19:49
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/15/19 01:59
Analyst: EW

	ppbV			ug/m3				Dilution
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	167.	--	ND	826	--		833.3
Chloromethane	ND	167.	--	ND	345	--		833.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	167.	--	ND	1170	--		833.3
Vinyl chloride	ND	167.	--	ND	427	--		833.3
1,3-Butadiene	ND	167.	--	ND	369	--		833.3
Bromomethane	ND	167.	--	ND	648	--		833.3
Chloroethane	ND	167.	--	ND	441	--		833.3
Ethyl Alcohol	ND	4170	--	ND	7860	--		833.3
Vinyl bromide	ND	167.	--	ND	730	--		833.3
Acetone	ND	833	--	ND	1980	--		833.3
Trichlorofluoromethane	ND	167.	--	ND	938	--		833.3
iso-Propyl Alcohol	ND	417	--	ND	1030	--		833.3
1,1-Dichloroethene	ND	167.	--	ND	662	--		833.3
tert-Butyl Alcohol	ND	417.	--	ND	1260	--		833.3
Methylene chloride	ND	417.	--	ND	1450	--		833.3
3-Chloropropene	ND	167.	--	ND	523	--		833.3
Carbon disulfide	ND	167.	--	ND	520	--		833.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	167.	--	ND	1280	--		833.3
trans-1,2-Dichloroethene	ND	167.	--	ND	662	--		833.3
1,1-Dichloroethane	ND	167.	--	ND	676	--		833.3
Methyl tert butyl ether	ND	167.	--	ND	602	--		833.3
2-Butanone	ND	417.	--	ND	1230	--		833.3
cis-1,2-Dichloroethene	ND	167.	--	ND	662	--		833.3

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-01 D
Client ID: SV2-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 19:49
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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	417.	--	ND	1500	--		833.3
Chloroform	ND	167.	--	ND	816	--		833.3
Tetrahydrofuran	ND	417.	--	ND	1230	--		833.3
1,2-Dichloroethane	ND	167.	--	ND	676	--		833.3
n-Hexane	ND	167	--	ND	589	--		833.3
1,1,1-Trichloroethane	ND	167.	--	ND	911	--		833.3
Benzene	ND	167.	--	ND	534	--		833.3
Carbon tetrachloride	ND	167.	--	ND	1050	--		833.3
Cyclohexane	ND	167.	--	ND	575	--		833.3
1,2-Dichloropropane	ND	167.	--	ND	772	--		833.3
Bromodichloromethane	ND	167.	--	ND	1120	--		833.3
Xylene (Total)	ND	167.	--	ND	725	--		833.3
1,4-Dioxane	ND	167.	--	ND	602	--		833.3
Trichloroethene	ND	167	--	ND	897	--		833.3
2,2,4-Trimethylpentane	ND	167.	--	ND	780	--		833.3
Heptane	ND	167.	--	ND	684	--		833.3
cis-1,3-Dichloropropene	ND	167.	--	ND	758	--		833.3
4-Methyl-2-pentanone	ND	417.	--	ND	1710	--		833.3
trans-1,3-Dichloropropene	ND	167.	--	ND	758	--		833.3
1,1,2-Trichloroethane	ND	167.	--	ND	911	--		833.3
Toluene	ND	167.	--	ND	629	--		833.3
1,2-Dichloroethene (total)	ND	167.	--	ND	662	--		833.3
2-Hexanone	ND	167.	--	ND	684	--		833.3
Dibromochloromethane	ND	167.	--	ND	1420	--		833.3
1,3-Dichloropropene, Total	ND	167.	--	ND	758	--		833.3
1,2-Dibromoethane	ND	167.	--	ND	1280	--		833.3

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-01 D
Client ID: SV2-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 19:49
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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								
Tetrachloroethene	41300	167	--	280000	1130	--		833.3
Chlorobenzene	ND	167.	--	ND	769	--		833.3
Ethylbenzene	ND	167.	--	ND	725	--		833.3
p/m-Xylene	ND	333.	--	ND	1450	--		833.3
Bromoform	ND	167.	--	ND	1730	--		833.3
Styrene	ND	167.	--	ND	711	--		833.3
1,1,2,2-Tetrachloroethane	ND	167.	--	ND	1150	--		833.3
o-Xylene	ND	167.	--	ND	725	--		833.3
4-Ethyltoluene	ND	167.	--	ND	821	--		833.3
1,3,5-Trimethylbenzene	ND	167.	--	ND	821	--		833.3
1,2,4-Trimethylbenzene	ND	167.	--	ND	821	--		833.3
Benzyl chloride	ND	167.	--	ND	865	--		833.3
1,3-Dichlorobenzene	ND	167.	--	ND	1000	--		833.3
1,4-Dichlorobenzene	ND	167.	--	ND	1000	--		833.3
1,2-Dichlorobenzene	ND	167.	--	ND	1000	--		833.3
1,2,4-Trichlorobenzene	ND	167.	--	ND	1240	--		833.3
Hexachlorobutadiene	ND	167.	--	ND	1780	--		833.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	93		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-02 D
Client ID: SV1-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 22:43
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/15/19 08:26
Analyst: EW

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	6.69	--	ND	33.1	--		33.47
Chloromethane	ND	6.69	--	ND	13.8	--		33.47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	6.69	--	ND	46.8	--		33.47
Vinyl chloride	ND	6.69	--	ND	17.1	--		33.47
1,3-Butadiene	ND	6.69	--	ND	14.8	--		33.47
Bromomethane	ND	6.69	--	ND	26.0	--		33.47
Chloroethane	ND	6.69	--	ND	17.7	--		33.47
Ethyl Alcohol	ND	167	--	ND	315	--		33.47
Vinyl bromide	ND	6.69	--	ND	29.2	--		33.47
Acetone	81.6	33.5	--	194	79.6	--		33.47
Trichlorofluoromethane	ND	6.69	--	ND	37.6	--		33.47
iso-Propyl Alcohol	43.3	16.7	--	106	41.0	--		33.47
1,1-Dichloroethene	ND	6.69	--	ND	26.5	--		33.47
tert-Butyl Alcohol	ND	16.7	--	ND	50.6	--		33.47
Methylene chloride	ND	16.7	--	ND	58.0	--		33.47
3-Chloropropene	ND	6.69	--	ND	20.9	--		33.47
Carbon disulfide	ND	6.69	--	ND	20.8	--		33.47
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.69	--	ND	51.3	--		33.47
trans-1,2-Dichloroethene	ND	6.69	--	ND	26.5	--		33.47
1,1-Dichloroethane	ND	6.69	--	ND	27.1	--		33.47
Methyl tert butyl ether	ND	6.69	--	ND	24.1	--		33.47
2-Butanone	ND	16.7	--	ND	49.3	--		33.47
cis-1,2-Dichloroethene	ND	6.69	--	ND	26.5	--		33.47

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-02 D
Client ID: SV1-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 22:43
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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	16.7	--	ND	60.2	--		33.47
Chloroform	ND	6.69	--	ND	32.7	--		33.47
Tetrahydrofuran	ND	16.7	--	ND	49.3	--		33.47
1,2-Dichloroethane	ND	6.69	--	ND	27.1	--		33.47
n-Hexane	180	6.69	--	634	23.6	--		33.47
1,1,1-Trichloroethane	ND	6.69	--	ND	36.5	--		33.47
Benzene	ND	6.69	--	ND	21.4	--		33.47
Carbon tetrachloride	ND	6.69	--	ND	42.1	--		33.47
Cyclohexane	ND	6.69	--	ND	23.0	--		33.47
1,2-Dichloropropane	ND	6.69	--	ND	30.9	--		33.47
Xylene (Total)	ND	6.69	--	ND	29.1	--		33.47
Bromodichloromethane	ND	6.69	--	ND	44.8	--		33.47
1,4-Dioxane	ND	6.69	--	ND	24.1	--		33.47
Trichloroethene	18.6	6.69	--	100	36.0	--		33.47
2,2,4-Trimethylpentane	ND	6.69	--	ND	31.2	--		33.47
Heptane	147	6.69	--	602	27.4	--		33.47
cis-1,3-Dichloropropene	ND	6.69	--	ND	30.4	--		33.47
4-Methyl-2-pentanone	ND	16.7	--	ND	68.4	--		33.47
trans-1,3-Dichloropropene	ND	6.69	--	ND	30.4	--		33.47
1,1,2-Trichloroethane	ND	6.69	--	ND	36.5	--		33.47
Toluene	ND	6.69	--	ND	25.2	--		33.47
1,2-Dichloroethene (total)	ND	6.69	--	ND	26.5	--		33.47
2-Hexanone	ND	6.69	--	ND	27.4	--		33.47
1,3-Dichloropropene, Total	ND	6.69	--	ND	30.4	--		33.47
Dibromochloromethane	ND	6.69	--	ND	57.0	--		33.47
1,2-Dibromoethane	ND	6.69	--	ND	51.4	--		33.47

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-02 D
Client ID: SV1-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/09/19 22:43
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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								
Tetrachloroethene	1950	6.69	--	13200	45.4	--		33.47
Chlorobenzene	ND	6.69	--	ND	30.8	--		33.47
Ethylbenzene	ND	6.69	--	ND	29.1	--		33.47
p/m-Xylene	ND	13.4	--	ND	58.2	--		33.47
Bromoform	ND	6.69	--	ND	69.2	--		33.47
Styrene	ND	6.69	--	ND	28.5	--		33.47
1,1,2,2-Tetrachloroethane	ND	6.69	--	ND	45.9	--		33.47
o-Xylene	ND	6.69	--	ND	29.1	--		33.47
4-Ethyltoluene	ND	6.69	--	ND	32.9	--		33.47
1,3,5-Trimethylbenzene	ND	6.69	--	ND	32.9	--		33.47
1,2,4-Trimethylbenzene	7.33	6.69	--	36.0	32.9	--		33.47
Benzyl chloride	ND	6.69	--	ND	34.6	--		33.47
1,3-Dichlorobenzene	ND	6.69	--	ND	40.2	--		33.47
1,4-Dichlorobenzene	ND	6.69	--	ND	40.2	--		33.47
1,2-Dichlorobenzene	ND	6.69	--	ND	40.2	--		33.47
1,2,4-Trichlorobenzene	ND	6.69	--	ND	49.7	--		33.47
Hexachlorobutadiene	ND	6.69	--	ND	71.4	--		33.47

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	100		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-03 D
Client ID: SV3-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/10/19 00:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/15/19 00:46
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	96.9	10.0	--	230	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
iso-Propyl Alcohol	50.0	5.00	--	123	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
tert-Butyl Alcohol	8.56	5.00	--	25.9	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	10.4	2.00	--	32.4	6.23	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
2-Butanone	11.6	5.00	--	34.2	14.7	--		10
cis-1,2-Dichloroethene	2.77	2.00	--	11.0	7.93	--		10

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-03 D
Client ID: SV3-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/10/19 00:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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	9.15	5.00	--	27.0	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	18.8	2.00	--	66.3	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	3.38	2.00	--	10.8	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	6.84	2.00	--	23.5	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
Xylene (Total)	ND	2.00	--	ND	8.69	--		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	8.63	2.00	--	35.4	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	5.45	5.00	--	22.3	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	4.22	2.00	--	15.9	7.54	--		10
1,2-Dichloroethene (total)	2.77	2.00	--	11.0	7.93	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
1,3-Dichloropropene, Total	ND	2.00	--	ND	9.08	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

SAMPLE RESULTS

Lab ID: L1901257-03 D
Client ID: SV3-20190109
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/10/19 00:22
Date Received: 01/10/19
Field Prep: Not Specified

Sample Depth:

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								
Tetrachloroethene	304	2.00	--	2060	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	5.02	2.00	--	24.7	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	102		60-140
chlorobenzene-d5	94		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901257
Report Date: 01/16/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/14/19 14:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197527-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901257
Report Date: 01/16/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/14/19 14:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197527-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901257
Report Date: 01/16/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/14/19 14:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197527-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901257
Report Date: 01/16/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/14/19 14:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197527-4								
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
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901257
Report Date: 01/16/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/14/19 14:44

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1197527-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197527-3								
Chlorodifluoromethane	98		-		70-130	-		
Propylene	105		-		70-130	-		
Propane	108		-		70-130	-		
Dichlorodifluoromethane	80		-		70-130	-		
Chloromethane	99		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	88		-		70-130	-		
Methanol	91		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Butane	83		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethyl Alcohol	95		-		70-130	-		
Dichlorofluoromethane	83		-		70-130	-		
Vinyl bromide	93		-		70-130	-		
Acrolein	87		-		70-130	-		
Acetone	74		-		70-130	-		
Acetonitrile	72		-		70-130	-		
Trichlorofluoromethane	81		-		70-130	-		
iso-Propyl Alcohol	88		-		70-130	-		
Acrylonitrile	93		-		70-130	-		
Pentane	75		-		70-130	-		
Ethyl ether	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901257

Report Date: 01/16/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197527-3								
1,1-Dichloroethene	87		-		70-130	-		
tert-Butyl Alcohol	84		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	87		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
Vinyl acetate	90		-		70-130	-		
2-Butanone	85		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
2,2-Dichloropropane	85		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	106		-		70-130	-		
Isopropyl Ether	102		-		70-130	-		
Ethyl-Tert-Butyl-Ether	98		-		70-130	-		
1,2-Dichloroethene (total)	92		-			-		
1,2-Dichloroethene (total)	92		-			-		
1,1,1-Trichloroethane	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197527-3								
1,1-Dichloropropene	99		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	111		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	102		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	113		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Methyl Methacrylate	109		-		70-130	-		
Heptane	122		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
4-Methyl-2-pentanone	118		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	113		-		70-130	-		
Toluene	108		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		
2-Hexanone	115		-		70-130	-		
Dibromochloromethane	121		-		70-130	-		
1,2-Dibromoethane	109		-		70-130	-		
Butyl Acetate	95		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197527-3								
Octane	104		-		70-130	-		
Tetrachloroethene	109		-		70-130	-		
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	111		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	113		-		70-130	-		
Bromoform	**131**	Q	-		70-130	-		
Styrene	111		-		70-130	-		
1,1,2,2-Tetrachloroethane	123		-		70-130	-		
o-Xylene	118		-		70-130	-		
1,2,3-Trichloropropane	104		-		70-130	-		
Nonane (C9)	117		-		70-130	-		
Isopropylbenzene	111		-		70-130	-		
Bromobenzene	108		-		70-130	-		
o-Chlorotoluene	108		-		70-130	-		
n-Propylbenzene	106		-		70-130	-		
p-Chlorotoluene	101		-		70-130	-		
4-Ethyltoluene	116		-		70-130	-		
1,3,5-Trimethylbenzene	116		-		70-130	-		
tert-Butylbenzene	110		-		70-130	-		
1,2,4-Trimethylbenzene	122		-		70-130	-		
Decane (C10)	116		-		70-130	-		
Benzyl chloride	122		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197527-3								
1,3-Dichlorobenzene	118		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
sec-Butylbenzene	116		-		70-130	-		
p-Isopropyltoluene	103		-		70-130	-		
1,2-Dichlorobenzene	115		-		70-130	-		
n-Butylbenzene	117		-		70-130	-		
1,2-Dibromo-3-chloropropane	109		-		70-130	-		
Undecane	124		-		70-130	-		
Dodecane (C12)	**133**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
Naphthalene	108		-		70-130	-		
1,2,3-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197527-5 QC Sample: L1901257-03 Client ID: SV3-20190109						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	96.9	95.0	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	50.0	49.6	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	8.56	8.14	ppbV	5		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	10.4	10.1	ppbV	3		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197527-5 QC Sample: L1901257-03 Client ID: SV3-20190109						
2-Butanone	11.6	11.5	ppbV	1		25
cis-1,2-Dichloroethene	2.77	2.84	ppbV	2		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	9.15	9.00	ppbV	2		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	18.8	20.0	ppbV	6		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	3.38	3.24	ppbV	4		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	6.84	6.48	ppbV	5		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Xylene (Total)	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	8.63	8.41	ppbV	3		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	5.45	5.50	ppbV	1		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197527-5 QC Sample: L1901257-03 Client ID: SV3-20190109						
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	4.22	4.14	ppbV	2		25
1,2-Dichloroethene (total)	2.77	2.84	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	304	291	ppbV	4		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	5.02	5.00	ppbV	0		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197527-5 QC Sample: L1901257-03 Client ID: SV3-20190109						
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: 47-50 30TH ST.

Lab Number: L1901257

Project Number: 1690010617-001

Report Date: 01/16/19

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
L1901257-01	SV2-20190109	01149	SV20	01/08/19	282370		-	-	-	Pass	18.7	15.8	17
L1901257-01	SV2-20190109	504	2.7L Can	01/08/19	282370	L1900195-01	Pass	-30.0	-5.01	-	-	-	-
L1901257-02	SV1-20190109	01148	SV20	01/08/19	282370		-	-	-	Pass	18.1	15.4	16
L1901257-02	SV1-20190109	374	2.7L Can	01/08/19	282370	L1900195-01	Pass	-30.0	-4.9	-	-	-	-
L1901257-03	SV3-20190109	0851	Flow 4	01/08/19	282370		-	-	-	Pass	18.8	16.5	13
L1901257-03	SV3-20190109	2014	2.7L Can	01/08/19	282370	L1900195-01	Pass	-30.0	-5.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/19 15:18
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/19 15:18
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		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:** L1900195

Project Number: CANISTER QC BAT **Report Date:** 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900195
Report Date: 01/16/19

Air Canister Certification Results

Lab ID: L1900195-01
Client ID: CAN 522 SHELF 2
Sample Location:

Date Collected: 12/28/18 16:00
Date Received: 01/02/19
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901257
Report Date: 01/16/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901257-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1901257-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1901257-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901257
Project Number:	1690010617-001	**Report Date:**	01/16/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901257
Project Number:	1690010617-001	**Report Date:**	01/16/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Date Rec'd in Lab: 1/11/19 | ALPHA Job#: L1901257

1 of 1 COCs

Client Contact Information
Company: Ramboll
Address: 101 Carnegie Center
City/State/Zip: Princeton, NJ 08540
Phone: 609-243-9816
FAX:
Email: eddprinceton@ramboll.com
Site Contact: Matthew Sweet
Site Contact Phone: 201 575 1715

Project Information
Project Name: 47-50 30th St.
Project No: 1690010617-001
Site/Location: 47-50 30th St. LIC
Project Manager: Matthew Sweet

Analysis Turn-Around Time
Standard (Specify) ✓
Rush (Specify)

NJ DEP Information
Bureau: Division: Contract No:

Report Information - Data Deliverables:
☐ FAX:
☐ ADEx ☐ Criteria Checker:
☐ EMail (standard pdf report)

Billing Information
☐ Same as Client Info PO #:

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field (Hg) (Start)	Canister Pressure in Field (Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure (Hg) (Note1)	Incoming Canister Pressure (Hg) (Note 2)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min) (Note1)	Batch Cert ID (Note 1)	Analysis: TO-15	Analysis: EPA 3C	Matrix: Indoor/Ambient Air	Matrix: Soil Gas
01251-01	SV2-20190109	1/9/19	1737	1949	-29.94	-5.00	75	75			01149	504	2.7	18		X			X
-02	SV1-20190109	1/9/19	2029	2243	-29.94	-5.00	75	75			01148	374	2.7	18		X			X
-03	SV3-20190109	~~1/9/19~~ 1/10/19	2211	0022	-29.68	-4.99	75	75			0851	2014	2.7	18		X			X

Custody Seals:
Outgoing Seal No: (refer to crate seal)
Incoming Seal No: (if applicable)

Temperature (Fahrenheit)

	Ambient	Maximum	Minimum
Start			
Stop			

Pressure (inches of Hg)

	Ambient	Maximum	Minimum
Start			
Stop			

Individual Preparing Canister/Containers and Laboratory Canister Certification
Name:
Signature:

Footnotes:
(1) Refer to equipment tags for these readings.
(2) Readings provided in data deliverable package.

Special Instructions/QC Requirements & Comments:
Send results to eddprinceton@ramboll.com

Canisters Shipped by:	Date/Time: 1/10/19 1410	Canisters Received by:	Date/Time: 1/10/19 14:40
Samples Relinquished by:	Date/Time: 1/10/19 15:45	Received by:	Date/Time:
Relinquished by:	Date/Time: 01/11/19 0520	Received by:	Date/Time: 01/11/19 0200

1/11/19 05:26

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

Note: Combined External Chain of Custody and NJDEP Field Test Data Sheet

ANALYTICAL REPORT

Lab Number:	L1901467
Client:	Ramboll 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH, LIC, NY 11101
Project Number:	1690010617-001
Report Date:	01/25/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901467-01	SB1-SS01-20190110	SOIL	47-50 30TH, LIC, NY 11101	01/10/19 15:10	01/11/19
L1901467-02	SB1-SS02-20190110	SOIL	47-50 30TH, LIC, NY 11101	01/10/19 15:50	01/11/19
L1901467-03	SB1-SS02DUP-20190110	SOIL	47-50 30TH, LIC, NY 11101	01/10/19 15:50	01/11/19
L1901467-04	TB-20190110	TRIP BLANK (AQUEOUS)	47-50 30TH, LIC, NY 11101	01/07/19 00:00	01/11/19
L1901467-05	FB-AQ-20190110	FIELD BLANK	47-50 30TH, LIC, NY 11101	01/10/19 16:40	01/11/19
L1901467-06	WC-20190110	SOIL	47-50 30TH, LIC, NY 11101	01/10/19 17:40	01/11/19
L1901467-07	TW1-20190110	WATER	47-50 30TH, LIC, NY 11101	01/10/19 18:10	01/11/19

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

Case Narrative (continued)

Report Submission

January 25, 2019: This final report includes the results of all requested analyses.

January 21, 2019: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics

L1901467-03: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1197268-1 Method Blank, associated with L1901467-05, has a concentration above the reporting limit for bis(2-ethylhexyl)phthalate. Since the sample was non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG1197268-1 Method Blank, associated with L1901467-07, has a concentration above the reporting limit for bis(2-ethylhexyl)phthalate. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported, along with the re-extract QC. The original sample result is reported with B qualifier.

PCBs

L1901467-02 and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

Pesticides

L1901467-01: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (175%,170%); however, the sample was not re-extracted due to coelution with obvious interferences.

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

Case Narrative (continued)

L1901467-02: The surrogate recoveries are outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (4110%) and decachlorobiphenyl (271%); however, the sample was not re-extracted due to coelution with obvious interferences.
L1901467-02 and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals
L1901467-01, -02 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L1901467-05: The Field Blank has a result for barium, copper and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1196994-3 MS recovery for mercury (0%), performed on L1901467-01, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1196994-4 Laboratory Duplicate RPD for mercury (26%), performed on L1901467-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Dissolved Metals
L1901467-05: The Field Blank has a result for barium, copper and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Cyanide, Total
WG1197393: A Matrix Spike and Matrix Spike Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the Matrix Spike and Matrix Spike Duplicate results could not be reported.

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:  Melissa Cripps

Title: Technical Director/Representative Date: 01/25/19

ORGANICS

VOLATILES

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/18/19 09:17
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	170	1
1,1-Dichloroethane	ND		ug/kg	73	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	73	17.	1
1,2-Dichloropropane	ND		ug/kg	73	9.1	1
Dibromochloromethane	ND		ug/kg	73	10.	1
1,1,2-Trichloroethane	ND		ug/kg	73	20.	1
Tetrachloroethene	7400		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.3	1
Trichlorofluoromethane	ND		ug/kg	290	51.	1
1,2-Dichloroethane	ND		ug/kg	73	19.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	8.0	1
trans-1,3-Dichloropropene	ND		ug/kg	73	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	36	12.	1
1,1-Dichloropropene	ND		ug/kg	36	12.	1
Bromoform	ND		ug/kg	290	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	ND		ug/kg	36	12.	1
Toluene	ND		ug/kg	73	40.	1
Ethylbenzene	ND		ug/kg	73	10.	1
Chloromethane	ND		ug/kg	290	68.	1
Bromomethane	ND		ug/kg	150	42.	1
Vinyl chloride	ND		ug/kg	73	24.	1
Chloroethane	ND		ug/kg	150	33.	1
1,1-Dichloroethene	ND		ug/kg	73	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 Date Collected: 01/10/19 15:10

Client ID: SB1-SS01-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	17	J	ug/kg	36	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	10.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	12.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	ND		ug/kg	150	41.	1
o-Xylene	ND		ug/kg	73	21.	1
Xylenes, Total	ND		ug/kg	73	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	73	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	73	10.	1
Dibromomethane	ND		ug/kg	150	17.	1
Styrene	ND		ug/kg	73	14.	1
Dichlorodifluoromethane	ND		ug/kg	730	67.	1
Acetone	ND		ug/kg	730	350	1
Carbon disulfide	ND		ug/kg	730	330	1
2-Butanone	ND		ug/kg	730	160	1
Vinyl acetate	ND		ug/kg	730	160	1
4-Methyl-2-pentanone	ND		ug/kg	730	94.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.3	1
2-Hexanone	ND		ug/kg	730	86.	1
Bromochloromethane	ND		ug/kg	150	15.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	73	20.	1
1,3-Dichloropropane	ND		ug/kg	150	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	36	9.7	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	ND		ug/kg	73	12.	1
sec-Butylbenzene	ND		ug/kg	73	11.	1
tert-Butylbenzene	ND		ug/kg	150	8.6	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	7.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	73.	1
Hexachlorobutadiene	ND		ug/kg	290	12.	1
Isopropylbenzene	ND		ug/kg	73	8.0	1
p-Isopropyltoluene	ND		ug/kg	73	8.0	1
Naphthalene	160	J	ug/kg	290	48.	1
Acrylonitrile	ND		ug/kg	290	84.	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 Date Collected: 01/10/19 15:10

Client ID: SB1-SS01-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	73	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
1,3,5-Trimethylbenzene	ND		ug/kg	150	14.	1
1,2,4-Trimethylbenzene	26	J	ug/kg	150	24.	1
1,4-Dioxane	ND		ug/kg	7300	2600	1
p-Diethylbenzene	ND		ug/kg	150	13.	1
p-Ethyltoluene	ND		ug/kg	150	28.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	25.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	100	1
Tentatively Identified Compounds						
Total TIC Compounds	374	J	ug/kg			1
Unknown	374	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/17/19 14:16
Analyst: AD
Percent Solids: 50%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.6	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	25		ug/kg	0.88	0.34	1
Chlorobenzene	ND		ug/kg	0.88	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.0	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.29	1
Bromodichloromethane	ND		ug/kg	0.88	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.48	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.88	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.88	0.28	1
Bromoform	ND		ug/kg	7.0	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.29	1
Benzene	4.8		ug/kg	0.88	0.29	1
Toluene	1.0	J	ug/kg	1.8	0.96	1
Ethylbenzene	0.36	J	ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.0	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.59	1
Chloroethane	ND		ug/kg	3.5	0.80	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.88	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.35	1
p/m-Xylene	ND		ug/kg	3.5	0.98	1
o-Xylene	ND		ug/kg	1.8	0.51	1
Xylenes, Total	ND		ug/kg	1.8	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.5	0.42	1
Styrene	ND		ug/kg	1.8	0.34	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	130		ug/kg	18	8.5	1
Carbon disulfide	32		ug/kg	18	8.0	1
2-Butanone	22		ug/kg	18	3.9	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.5	0.22	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.5	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	3.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.23	1
Bromobenzene	ND		ug/kg	3.5	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.29	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.5	0.21	1
o-Chlorotoluene	ND		ug/kg	3.5	0.34	1
p-Chlorotoluene	ND		ug/kg	3.5	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	ND		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	7.0	2.0	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.74	J	ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	0.57	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.48	1
1,3,5-Trimethylbenzene	1.3	J	ug/kg	3.5	0.34	1
1,2,4-Trimethylbenzene	3.9		ug/kg	3.5	0.59	1
1,4-Dioxane	ND		ug/kg	180	62.	1
p-Diethylbenzene	ND		ug/kg	3.5	0.31	1
p-Ethyltoluene	3.4	J	ug/kg	3.5	0.68	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.34	1
Ethyl ether	ND		ug/kg	3.5	0.60	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.8	2.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/17/19 13:50
Analyst: AD
Percent Solids: 56%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	4.2		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	2.7		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	0.35	J	ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02DUP-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	62		ug/kg	14	6.6	1
Carbon disulfide	18		ug/kg	14	6.2	1
2-Butanone	10	J	ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.89	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02DUP-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.47	J	ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	0.70	J	ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	2.0	J	ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	140	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	2.1	J	ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-04
Client ID: TB-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/07/19 00:00
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 01/16/19 10:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-04 Date Collected: 01/07/19 00:00

Client ID: TB-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-04 Date Collected: 01/07/19 00:00

Client ID: TB-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 01/16/19 10:52
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/16/19 11:17
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.9		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.21	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/16/19 09:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07 Batch: WG1198305-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/16/19 09:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07 Batch: WG1198305-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/16/19 09:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07 Batch: WG1198305-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/16/19 09:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05,07 Batch: WG1198305-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1198647-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1198647-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1198647-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	3.07	J	ug/kg
Unknown	3.07	J	ug/kg

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1198647-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1198889-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1198889-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1198889-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1198889-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07 Batch: WG1198305-3 WG1198305-4								
Methylene chloride	94		98		70-130	4		20
1,1-Dichloroethane	93		96		70-130	3		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	93		94		63-132	1		20
1,2-Dichloropropane	86		91		70-130	6		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	98		96		70-130	2		20
Tetrachloroethene	92		89		70-130	3		20
Chlorobenzene	97		95		75-130	2		20
Trichlorofluoromethane	80		78		62-150	3		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	91		93		67-130	2		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	100		96		70-130	4		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
1,1-Dichloropropene	86		85		70-130	1		20
Bromoform	110		110		54-136	0		20
1,1,2,2-Tetrachloroethane	96		94		67-130	2		20
Benzene	97		95		70-130	2		20
Toluene	93		92		70-130	1		20
Ethylbenzene	89		87		70-130	2		20
Chloromethane	93		94		64-130	1		20
Bromomethane	42		43		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07 Batch: WG1198305-3 WG1198305-4								
Vinyl chloride	82		86		55-140	5		20
Chloroethane	90		92		55-138	2		20
1,1-Dichloroethene	86		88		61-145	2		20
trans-1,2-Dichloroethene	88		94		70-130	7		20
Trichloroethene	91		91		70-130	0		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	97		95		70-130	2		20
Methyl tert butyl ether	95		98		63-130	3		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	94		98		70-130	4		20
Dibromomethane	96		98		70-130	2		20
1,2,3-Trichloropropane	94		91		64-130	3		20
Acrylonitrile	90		93		70-130	3		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	77		75		36-147	3		20
Acetone	94		87		58-148	8		20
Carbon disulfide	86		88		51-130	2		20
2-Butanone	92		84		63-138	9		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	86		83		59-130	4		20
2-Hexanone	80		73		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07 Batch: WG1198305-3 WG1198305-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	98		95		63-133	3		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	100		97		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	76		74		53-136	3		20
sec-Butylbenzene	82		76		70-130	8		20
tert-Butylbenzene	86		80		70-130	7		20
o-Chlorotoluene	79		80		70-130	1		20
p-Chlorotoluene	88		88		70-130	0		20
1,2-Dibromo-3-chloropropane	100		98		41-144	2		20
Hexachlorobutadiene	68		63		63-130	8		20
Isopropylbenzene	83		82		70-130	1		20
p-Isopropyltoluene	85		79		70-130	7		20
Naphthalene	89		89		70-130	0		20
n-Propylbenzene	81		80		69-130	1		20
1,2,3-Trichlorobenzene	89		87		70-130	2		20
1,2,4-Trichlorobenzene	91		88		70-130	3		20
1,3,5-Trimethylbenzene	84		84		64-130	0		20
1,2,4-Trimethylbenzene	89		85		70-130	5		20
1,4-Dioxane	**52**	Q	**52**	Q	56-162	0		20
p-Diethylbenzene	82		78		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05,07 Batch: WG1198305-3 WG1198305-4								
p-Ethyltoluene	84		84		70-130	0		20
1,2,4,5-Tetramethylbenzene	83		81		70-130	2		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	99		93		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1198647-3 WG1198647-4								
Methylene chloride	101		101		70-130	0		30
1,1-Dichloroethane	105		105		70-130	0		30
Chloroform	104		104		70-130	0		30
Carbon tetrachloride	102		104		70-130	2		30
1,2-Dichloropropane	105		107		70-130	2		30
Dibromochloromethane	106		108		70-130	2		30
1,1,2-Trichloroethane	104		105		70-130	1		30
Tetrachloroethene	109		108		70-130	1		30
Chlorobenzene	108		109		70-130	1		30
Trichlorofluoromethane	86		86		70-139	0		30
1,2-Dichloroethane	95		96		70-130	1		30
1,1,1-Trichloroethane	105		105		70-130	0		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	107		108		70-130	1		30
cis-1,3-Dichloropropene	108		111		70-130	3		30
1,1-Dichloropropene	109		110		70-130	1		30
Bromoform	105		107		70-130	2		30
1,1,2,2-Tetrachloroethane	105		107		70-130	2		30
Benzene	108		108		70-130	0		30
Toluene	110		110		70-130	0		30
Ethylbenzene	110		111		70-130	1		30
Chloromethane	105		103		52-130	2		30
Bromomethane	74		75		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1198647-3 WG1198647-4								
Vinyl chloride	94		93		67-130	1		30
Chloroethane	86		85		50-151	1		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	108		109		70-130	1		30
Trichloroethene	107		107		70-130	0		30
1,2-Dichlorobenzene	109		111		70-130	2		30
1,3-Dichlorobenzene	112		114		70-130	2		30
1,4-Dichlorobenzene	110		111		70-130	1		30
Methyl tert butyl ether	101		102		66-130	1		30
p/m-Xylene	112		113		70-130	1		30
o-Xylene	113		113		70-130	0		30
cis-1,2-Dichloroethene	108		109		70-130	1		30
Dibromomethane	99		101		70-130	2		30
Styrene	113		114		70-130	1		30
Dichlorodifluoromethane	98		97		30-146	1		30
Acetone	106		104		54-140	2		30
Carbon disulfide	102		102		59-130	0		30
2-Butanone	101		100		70-130	1		30
Vinyl acetate	100		102		70-130	2		30
4-Methyl-2-pentanone	99		103		70-130	4		30
1,2,3-Trichloropropane	105		107		68-130	2		30
2-Hexanone	99		101		70-130	2		30
Bromochloromethane	106		105		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1198647-3 WG1198647-4								
2,2-Dichloropropane	109		107		70-130	2		30
1,2-Dibromoethane	105		106		70-130	1		30
1,3-Dichloropropane	105		107		69-130	2		30
1,1,1,2-Tetrachloroethane	109		110		70-130	1		30
Bromobenzene	111		112		70-130	1		30
n-Butylbenzene	113		114		70-130	1		30
sec-Butylbenzene	115		116		70-130	1		30
tert-Butylbenzene	115		116		70-130	1		30
o-Chlorotoluene	**132**	Q	**133**	Q	70-130	1		30
p-Chlorotoluene	114		116		70-130	2		30
1,2-Dibromo-3-chloropropane	102		107		68-130	5		30
Hexachlorobutadiene	113		114		67-130	1		30
Isopropylbenzene	115		117		70-130	2		30
p-Isopropyltoluene	116		117		70-130	1		30
Naphthalene	110		114		70-130	4		30
Acrylonitrile	103		105		70-130	2		30
n-Propylbenzene	114		115		70-130	1		30
1,2,3-Trichlorobenzene	111		113		70-130	2		30
1,2,4-Trichlorobenzene	114		116		70-130	2		30
1,3,5-Trimethylbenzene	114		115		70-130	1		30
1,2,4-Trimethylbenzene	115		116		70-130	1		30
1,4-Dioxane	105		106		65-136	1		30
p-Diethylbenzene	116		116		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1198647-3 WG1198647-4								
p-Ethyltoluene	115		116		70-130	1		30
1,2,4,5-Tetramethylbenzene	118		119		70-130	1		30
Ethyl ether	104		104		67-130	0		30
trans-1,4-Dichloro-2-butene	101		104		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		82		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1198889-3 WG1198889-4								
Methylene chloride	97		86		70-130	12		30
1,1-Dichloroethane	100		87		70-130	14		30
Chloroform	101		89		70-130	13		30
Carbon tetrachloride	101		85		70-130	17		30
1,2-Dichloropropane	102		92		70-130	10		30
Dibromochloromethane	101		95		70-130	6		30
1,1,2-Trichloroethane	102		96		70-130	6		30
Tetrachloroethene	100		86		70-130	15		30
Chlorobenzene	96		87		70-130	10		30
Trichlorofluoromethane	99		82		70-139	19		30
1,2-Dichloroethane	100		93		70-130	7		30
1,1,1-Trichloroethane	100		86		70-130	15		30
Bromodichloromethane	102		92		70-130	10		30
trans-1,3-Dichloropropene	105		98		70-130	7		30
cis-1,3-Dichloropropene	107		97		70-130	10		30
1,1-Dichloropropene	102		87		70-130	16		30
Bromoform	102		95		70-130	7		30
1,1,2,2-Tetrachloroethane	101		97		70-130	4		30
Benzene	98		86		70-130	13		30
Toluene	100		88		70-130	13		30
Ethylbenzene	98		87		70-130	12		30
Chloromethane	105		84		52-130	22		30
Bromomethane	99		83		57-147	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1198889-3 WG1198889-4								
Vinyl chloride	101		82		67-130	21		30
Chloroethane	94		80		50-151	16		30
1,1-Dichloroethene	99		82		65-135	19		30
trans-1,2-Dichloroethene	100		85		70-130	16		30
Trichloroethene	97		84		70-130	14		30
1,2-Dichlorobenzene	98		90		70-130	9		30
1,3-Dichlorobenzene	98		90		70-130	9		30
1,4-Dichlorobenzene	96		89		70-130	8		30
Methyl tert butyl ether	102		95		66-130	7		30
p/m-Xylene	99		87		70-130	13		30
o-Xylene	98		89		70-130	10		30
cis-1,2-Dichloroethene	101		87		70-130	15		30
Dibromomethane	102		97		70-130	5		30
Styrene	99		90		70-130	10		30
Dichlorodifluoromethane	98		79		30-146	21		30
Acetone	119		101		54-140	16		30
Carbon disulfide	101		82		59-130	21		30
2-Butanone	105		98		70-130	7		30
Vinyl acetate	102		96		70-130	6		30
4-Methyl-2-pentanone	109		106		70-130	3		30
1,2,3-Trichloropropane	102		99		68-130	3		30
2-Hexanone	108		102		70-130	6		30
Bromochloromethane	102		92		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1198889-3 WG1198889-4								
2,2-Dichloropropane	107		90		70-130	17		30
1,2-Dibromoethane	105		100		70-130	5		30
1,3-Dichloropropane	102		96		69-130	6		30
1,1,1,2-Tetrachloroethane	100		90		70-130	11		30
Bromobenzene	99		90		70-130	10		30
n-Butylbenzene	100		89		70-130	12		30
sec-Butylbenzene	99		88		70-130	12		30
tert-Butylbenzene	100		89		70-130	12		30
o-Chlorotoluene	106		94		70-130	12		30
p-Chlorotoluene	100		90		70-130	11		30
1,2-Dibromo-3-chloropropane	111		109		68-130	2		30
Hexachlorobutadiene	104		91		67-130	13		30
Isopropylbenzene	101		89		70-130	13		30
p-Isopropyltoluene	102		89		70-130	14		30
Naphthalene	102		100		70-130	2		30
Acrylonitrile	104		99		70-130	5		30
n-Propylbenzene	100		88		70-130	13		30
1,2,3-Trichlorobenzene	101		94		70-130	7		30
1,2,4-Trichlorobenzene	103		96		70-130	7		30
1,3,5-Trimethylbenzene	100		89		70-130	12		30
1,2,4-Trimethylbenzene	102		90		70-130	13		30
1,4-Dioxane	117		110		65-136	6		30
p-Diethylbenzene	101		90		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1198889-3 WG1198889-4								
p-Ethyltoluene	102		91		70-130	11		30
1,2,4,5-Tetramethylbenzene	102		93		70-130	9		30
Ethyl ether	103		92		67-130	11		30
trans-1,4-Dichloro-2-butene	115		106		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 D
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 15:15
Analyst: RC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	290	37.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	41.	2
Hexachlorobenzene	ND		ug/kg	220	40.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	49.	2
2-Chloronaphthalene	ND		ug/kg	360	36.	2
1,2-Dichlorobenzene	ND		ug/kg	360	64.	2
1,3-Dichlorobenzene	ND		ug/kg	360	62.	2
1,4-Dichlorobenzene	ND		ug/kg	360	62.	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	2
2,4-Dinitrotoluene	ND		ug/kg	360	72.	2
2,6-Dinitrotoluene	ND		ug/kg	360	62.	2
Fluoranthene	7500		ug/kg	220	41.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	38.	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	55.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	61.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	36.	2
Hexachlorobutadiene	ND		ug/kg	360	52.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	320	2
Hexachloroethane	ND		ug/kg	290	58.	2
Isophorone	ND		ug/kg	320	46.	2
Naphthalene	400		ug/kg	360	44.	2
Nitrobenzene	ND		ug/kg	320	53.	2
NDPA/DPA	ND		ug/kg	290	41.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	55.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	120	2
Butyl benzyl phthalate	ND		ug/kg	360	90.	2
Di-n-butylphthalate	ND		ug/kg	360	68.	2
Di-n-octylphthalate	ND		ug/kg	360	120	2

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 D
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	360	33.	2
Dimethyl phthalate	ND		ug/kg	360	75.	2
Benzo(a)anthracene	5500		ug/kg	220	40.	2
Benzo(a)pyrene	7400		ug/kg	290	87.	2
Benzo(b)fluoranthene	8600		ug/kg	220	60.	2
Benzo(k)fluoranthene	2700		ug/kg	220	57.	2
Chrysene	5600		ug/kg	220	37.	2
Acenaphthylene	230	J	ug/kg	290	55.	2
Anthracene	1200		ug/kg	220	70.	2
Benzo(ghi)perylene	6900		ug/kg	290	42.	2
Fluorene	370		ug/kg	360	35.	2
Phenanthrene	4900		ug/kg	220	44.	2
Dibenzo(a,h)anthracene	1500		ug/kg	220	41.	2
Indeno(1,2,3-cd)pyrene	6600		ug/kg	290	50.	2
Pyrene	7600		ug/kg	220	36.	2
Biphenyl	ND		ug/kg	820	83.	2
4-Chloroaniline	ND		ug/kg	360	65.	2
2-Nitroaniline	ND		ug/kg	360	69.	2
3-Nitroaniline	ND		ug/kg	360	68.	2
4-Nitroaniline	ND		ug/kg	360	150	2
Dibenzofuran	200	J	ug/kg	360	34.	2
2-Methylnaphthalene	220	J	ug/kg	430	43.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	37.	2
Acetophenone	ND		ug/kg	360	44.	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
p-Chloro-m-cresol	ND		ug/kg	360	53.	2
2-Chlorophenol	ND		ug/kg	360	42.	2
2,4-Dichlorophenol	ND		ug/kg	320	58.	2
2,4-Dimethylphenol	ND		ug/kg	360	120	2
2-Nitrophenol	ND		ug/kg	770	130	2
4-Nitrophenol	ND		ug/kg	500	150	2
2,4-Dinitrophenol	ND		ug/kg	1700	170	2
4,6-Dinitro-o-cresol	ND		ug/kg	930	170	2
Pentachlorophenol	ND		ug/kg	290	79.	2
Phenol	ND		ug/kg	360	54.	2
2-Methylphenol	ND		ug/kg	360	56.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	56.	2

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 D
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	360	69.	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	460		ug/kg	360	35.	2
Tentatively Identified Compounds						
Total TIC Compounds	30600	J	ug/kg			2
Unknown PAH	1300	J	ug/kg			2
Unknown PAH	5440	J	ug/kg			2
Tetrachloroethene	2610	NJ	ug/kg			2
Unknown	734	J	ug/kg			2
Unknown	572	J	ug/kg			2
Unknown	1290	J	ug/kg			2
Unknown PAH	962	J	ug/kg			2
Unknown PAH	1590	J	ug/kg			2
Unknown PAH	2860	J	ug/kg			2
Unknown Naphthalene	1250	J	ug/kg			2
Unknown PAH	6320	J	ug/kg			2
Unknown PAH	2400	J	ug/kg			2
Unknown	523	J	ug/kg			2
Unknown	980	J	ug/kg			2
Unknown PAH	1740	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	44		10-136
4-Terphenyl-d14	49		18-120

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 14:24
Analyst: RC
Percent Solids: 50%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	260	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	37.	1
Hexachlorobenzene	ND		ug/kg	190	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	290	44.	1
2-Chloronaphthalene	ND		ug/kg	320	32.	1
1,2-Dichlorobenzene	ND		ug/kg	320	58.	1
1,3-Dichlorobenzene	ND		ug/kg	320	56.	1
1,4-Dichlorobenzene	ND		ug/kg	320	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	320	86.	1
2,4-Dinitrotoluene	ND		ug/kg	320	65.	1
2,6-Dinitrotoluene	ND		ug/kg	320	56.	1
Fluoranthene	230		ug/kg	190	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	320	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	320	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	390	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	32.	1
Hexachlorobutadiene	ND		ug/kg	320	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	920	290	1
Hexachloroethane	ND		ug/kg	260	52.	1
Isophorone	ND		ug/kg	290	42.	1
Naphthalene	220	J	ug/kg	320	39.	1
Nitrobenzene	ND		ug/kg	290	48.	1
NDPA/DPA	ND		ug/kg	260	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	320	50.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	320	110	1
Butyl benzyl phthalate	ND		ug/kg	320	82.	1
Di-n-butylphthalate	ND		ug/kg	320	61.	1
Di-n-octylphthalate	ND		ug/kg	320	110	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	320	30.	1
Dimethyl phthalate	ND		ug/kg	320	68.	1
Benzo(a)anthracene	120	J	ug/kg	190	36.	1
Benzo(a)pyrene	100	J	ug/kg	260	79.	1
Benzo(b)fluoranthene	120	J	ug/kg	190	54.	1
Benzo(k)fluoranthene	ND		ug/kg	190	52.	1
Chrysene	130	J	ug/kg	190	34.	1
Acenaphthylene	ND		ug/kg	260	50.	1
Anthracene	ND		ug/kg	190	63.	1
Benzo(ghi)perylene	99	J	ug/kg	260	38.	1
Fluorene	54	J	ug/kg	320	31.	1
Phenanthrene	210		ug/kg	190	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	190	37.	1
Indeno(1,2,3-cd)pyrene	83	J	ug/kg	260	45.	1
Pyrene	220		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	740	75.	1
4-Chloroaniline	ND		ug/kg	320	59.	1
2-Nitroaniline	ND		ug/kg	320	62.	1
3-Nitroaniline	ND		ug/kg	320	61.	1
4-Nitroaniline	ND		ug/kg	320	130	1
Dibenzofuran	34	J	ug/kg	320	31.	1
2-Methylnaphthalene	ND		ug/kg	390	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	320	34.	1
Acetophenone	ND		ug/kg	320	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	190	61.	1
p-Chloro-m-cresol	ND		ug/kg	320	48.	1
2-Chlorophenol	ND		ug/kg	320	38.	1
2,4-Dichlorophenol	ND		ug/kg	290	52.	1
2,4-Dimethylphenol	ND		ug/kg	320	110	1
2-Nitrophenol	ND		ug/kg	700	120	1
4-Nitrophenol	ND		ug/kg	450	130	1
2,4-Dinitrophenol	ND		ug/kg	1600	150	1
4,6-Dinitro-o-cresol	ND		ug/kg	840	160	1
Pentachlorophenol	ND		ug/kg	260	71.	1
Phenol	ND		ug/kg	320	49.	1
2-Methylphenol	ND		ug/kg	320	50.	1
3-Methylphenol/4-Methylphenol	160	J	ug/kg	460	51.	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	320	62.	1
Benzoic Acid	ND		ug/kg	1000	330	1
Benzyl Alcohol	ND		ug/kg	320	99.	1
Carbazole	ND		ug/kg	320	31.	1
Tentatively Identified Compounds						
Total TIC Compounds	27700	J	ug/kg			1
Unknown	1230	J	ug/kg			1
Unknown Alcohol	506	J	ug/kg			1
Unknown	877	J	ug/kg			1
Unknown	1430	J	ug/kg			1
Unknown	654	J	ug/kg			1
Unknown	6360	J	ug/kg			1
Unknown Aldehyde	932	J	ug/kg			1
Unknown	652	J	ug/kg			1
Unknown	806	J	ug/kg			1
Unknown	1680	J	ug/kg			1
Unknown	1670	J	ug/kg			1
Unknown	8520	J	ug/kg			1
Unknown	393	J	ug/kg			1
Unknown	768	J	ug/kg			1
Unknown	1190	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	30		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	32		30-120
2,4,6-Tribromophenol	32		10-136
4-Terphenyl-d14	22		18-120

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/15/19 15:41
Analyst: RC
Percent Solids: 56%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400	J	ug/kg	470	61.	2
1,2,4-Trichlorobenzene	ND		ug/kg	590	68.	2
Hexachlorobenzene	ND		ug/kg	350	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	530	80.	2
2-Chloronaphthalene	ND		ug/kg	590	59.	2
1,2-Dichlorobenzene	ND		ug/kg	590	110	2
1,3-Dichlorobenzene	ND		ug/kg	590	100	2
1,4-Dichlorobenzene	ND		ug/kg	590	100	2
3,3'-Dichlorobenzidine	ND		ug/kg	590	160	2
2,4-Dinitrotoluene	ND		ug/kg	590	120	2
2,6-Dinitrotoluene	ND		ug/kg	590	100	2
Fluoranthene	490		ug/kg	350	68.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	590	63.	2
4-Bromophenyl phenyl ether	ND		ug/kg	590	90.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	710	100	2
Bis(2-chloroethoxy)methane	ND		ug/kg	640	59.	2
Hexachlorobutadiene	ND		ug/kg	590	86.	2
Hexachlorocyclopentadiene	ND		ug/kg	1700	540	2
Hexachloroethane	ND		ug/kg	470	96.	2
Isophorone	ND		ug/kg	530	77.	2
Naphthalene	290	J	ug/kg	590	72.	2
Nitrobenzene	ND		ug/kg	530	88.	2
NDPA/DPA	ND		ug/kg	470	67.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	590	91.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	590	200	2
Butyl benzyl phthalate	ND		ug/kg	590	150	2
Di-n-butylphthalate	ND		ug/kg	590	110	2
Di-n-octylphthalate	ND		ug/kg	590	200	2

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	590	55.	2
Dimethyl phthalate	ND		ug/kg	590	120	2
Benzo(a)anthracene	210	J	ug/kg	350	67.	2
Benzo(a)pyrene	190	J	ug/kg	470	140	2
Benzo(b)fluoranthene	220	J	ug/kg	350	100	2
Benzo(k)fluoranthene	96	J	ug/kg	350	95.	2
Chrysene	350		ug/kg	350	62.	2
Acenaphthylene	ND		ug/kg	470	91.	2
Anthracene	310	J	ug/kg	350	120	2
Benzo(ghi)perylene	120	J	ug/kg	470	70.	2
Fluorene	400	J	ug/kg	590	57.	2
Phenanthrene	1300		ug/kg	350	72.	2
Dibenzo(a,h)anthracene	ND		ug/kg	350	68.	2
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	470	82.	2
Pyrene	480		ug/kg	350	59.	2
Biphenyl	ND		ug/kg	1300	140	2
4-Chloroaniline	ND		ug/kg	590	110	2
2-Nitroaniline	ND		ug/kg	590	110	2
3-Nitroaniline	ND		ug/kg	590	110	2
4-Nitroaniline	ND		ug/kg	590	240	2
Dibenzofuran	120	J	ug/kg	590	56.	2
2-Methylnaphthalene	ND		ug/kg	710	71.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	590	62.	2
Acetophenone	ND		ug/kg	590	73.	2
2,4,6-Trichlorophenol	ND		ug/kg	350	110	2
p-Chloro-m-cresol	ND		ug/kg	590	88.	2
2-Chlorophenol	ND		ug/kg	590	70.	2
2,4-Dichlorophenol	ND		ug/kg	530	95.	2
2,4-Dimethylphenol	ND		ug/kg	590	200	2
2-Nitrophenol	ND		ug/kg	1300	220	2
4-Nitrophenol	ND		ug/kg	830	240	2
2,4-Dinitrophenol	ND		ug/kg	2800	280	2
4,6-Dinitro-o-cresol	ND		ug/kg	1500	280	2
Pentachlorophenol	ND		ug/kg	470	130	2
Phenol	ND		ug/kg	590	89.	2
2-Methylphenol	ND		ug/kg	590	92.	2
3-Methylphenol/4-Methylphenol	120	J	ug/kg	850	93.	2

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	590	110	2
Benzoic Acid	ND		ug/kg	1900	600	2
Benzyl Alcohol	ND		ug/kg	590	180	2
Carbazole	79	J	ug/kg	590	57.	2
Tentatively Identified Compounds						
Total TIC Compounds	19100	J	ug/kg			2
Unknown	1030	J	ug/kg			2
Unknown Aldehyde	2230	J	ug/kg			2
Unknown	835	J	ug/kg			2
Unknown	865	J	ug/kg			2
Unknown	3640	J	ug/kg			2
Unknown	514	J	ug/kg			2
Unknown	1650	J	ug/kg			2
Unknown	2360	J	ug/kg			2
Unknown	4260	J	ug/kg			2
Unknown	661	J	ug/kg			2
Unknown	1040	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	46		18-120

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 01/17/19 12:28
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 17:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	68.2	J	ug/l			1
Unknown Alkane	2.29	J	ug/l			1
Unknown Alkane	2.51	J	ug/l			1
Unknown	3.56	J	ug/l			1
Unknown	1.71	J	ug/l			1
Aldol Condensates	39.1	J	ug/l			1
Unknown	1.60	J	ug/l			1
Unknown Alcohol	2.69	J	ug/l			1
Unknown	1.64	J	ug/l			1
Unknown	1.85	J	ug/l			1
Unknown Alkane	3.42	J	ug/l			1
Unknown	1.60	J	ug/l			1
Unknown Alcohol	2.22	J	ug/l			1
Unknown Naphthalene	1.53	J	ug/l			1
Unknown Alcohol	2.51	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	74		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 01/18/19 10:26
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 17:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	82		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/18/19 00:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 17:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	4.0	B	ug/l	3.0	1.5	1
Butyl benzyl phthalate	2.6	J	ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	120	J	ug/l			1
Tetrachloroethene	2.47	NJ	ug/l			1
Unknown	4.51	J	ug/l			1
Unknown Alkene	2.69	J	ug/l			1
Unknown	4.73	J	ug/l			1
Unknown	4.07	J	ug/l			1
Sulfur	4.73	NJ	ug/l			1
Unknown	4.40	J	ug/l			1
Aldol Condensates	34.8	J	ug/l			1
Cyclic Octaatomic Sulfur	33.7	NJ	ug/l			1
Unknown	4.80	J	ug/l			1
Unknown	4.33	J	ug/l			1
Unknown	4.14	J	ug/l			1
Unknown	3.56	J	ug/l			1
Unknown	3.31	J	ug/l			1
Unknown PAH	3.27	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	75		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/18/19 10:50
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 17:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.1		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.9		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.11		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.51		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.51		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.66		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.25		ug/l	0.10	0.01	1
Chrysene	0.44		ug/l	0.10	0.01	1
Acenaphthylene	0.07	J	ug/l	0.10	0.01	1
Anthracene	0.73		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.35		ug/l	0.10	0.01	1
Fluorene	3.0		ug/l	0.10	0.01	1
Phenanthrene	5.4		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.09	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.31		ug/l	0.10	0.01	1
Pyrene	1.5		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	81		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 RE
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/19/19 14:03
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 01/18/19 15:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 RE
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 RE
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	176	J	ug/l			1
Aldol Condensates	13.4	J	ug/l			1
Unknown	4.33	J	ug/l			1
Unknown Phenol	3.09	J	ug/l			1
Unknown PAH	3.20	J	ug/l			1
Unknown PAH	2.58	J	ug/l			1
Unknown	11.2	J	ug/l			1
Unknown	2.33	J	ug/l			1
Unknown	11.1	J	ug/l			1
Cyclic Octaatomic Sulfur	75.8	NJ	ug/l			1
Unknown PAH	2.25	J	ug/l			1
Sulfur	13.3	NJ	ug/l			1
Unknown	14.5	J	ug/l			1
Unknown	3.34	J	ug/l			1
Tetrachloroethene	2.58	NJ	ug/l			1
Unknown	12.6	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	80		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/15/19 10:33
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/12/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1197073-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	200	J	ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	46		18-120

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1197268-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	3.8		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1197268-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1197268-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	45.3	J	ug/l
Aldol Condensates	20.1	J	ug/l
Unknown Alcohol	1.93	J	ug/l
Unknown	7.64	J	ug/l
Unknown	7.38	J	ug/l
Unknown Alkene	6.25	J	ug/l
Unknown	2.04	J	ug/l

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/16/19 06:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1197268-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	60		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 13:36
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05,07 Batch: WG1197269-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/17/19 13:36
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05,07 Batch: WG1197269-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	55		41-149

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/21/19 13:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 01/17/19 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1198691-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/21/19 13:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 01/17/19 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1198691-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/21/19 13:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 01/17/19 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1198691-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	42.3	J	ug/l
Unknown Siloxane	8.84	J	ug/l
Unknown Siloxane	4.94	J	ug/l
Aldol Condensates	20.8	J	ug/l
Unknown	1.60	J	ug/l
Unknown	6.07	J	ug/l

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/21/19 13:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 01/17/19 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1198691-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	69		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
Acenaphthene	55		49		31-137	12		50
1,2,4-Trichlorobenzene	58		49		38-107	17		50
Hexachlorobenzene	54		48		40-140	12		50
Bis(2-chloroethyl)ether	56		46		40-140	20		50
2-Chloronaphthalene	59		46		40-140	25		50
1,2-Dichlorobenzene	52		45		40-140	14		50
1,3-Dichlorobenzene	52		44		40-140	17		50
1,4-Dichlorobenzene	52		45		28-104	14		50
3,3'-Dichlorobenzidine	**36**	Q	**30**	Q	40-140	18		50
2,4-Dinitrotoluene	66		60		40-132	10		50
2,6-Dinitrotoluene	68		69		40-140	1		50
Fluoranthene	62		53		40-140	16		50
4-Chlorophenyl phenyl ether	50		46		40-140	8		50
4-Bromophenyl phenyl ether	54		49		40-140	10		50
Bis(2-chloroisopropyl)ether	50		43		40-140	15		50
Bis(2-chloroethoxy)methane	59		51		40-117	15		50
Hexachlorobutadiene	48		42		40-140	13		50
Hexachlorocyclopentadiene	52		47		40-140	10		50
Hexachloroethane	54		46		40-140	16		50
Isophorone	62		54		40-140	14		50
Naphthalene	52		46		40-140	12		50
Nitrobenzene	60		51		40-140	16		50
NDPA/DPA	57		53		36-157	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
n-Nitrosodi-n-propylamine	61		52		32-121	16		50
Bis(2-ethylhexyl)phthalate	53		51		40-140	4		50
Butyl benzyl phthalate	64		57		40-140	12		50
Di-n-butylphthalate	68		56		40-140	19		50
Di-n-octylphthalate	63		53		40-140	17		50
Diethyl phthalate	59		54		40-140	9		50
Dimethyl phthalate	63		64		40-140	2		50
Benzo(a)anthracene	51		46		40-140	10		50
Benzo(a)pyrene	67		53		40-140	23		50
Benzo(b)fluoranthene	67		52		40-140	25		50
Benzo(k)fluoranthene	63		51		40-140	21		50
Chrysene	51		47		40-140	8		50
Acenaphthylene	62		62		40-140	0		50
Anthracene	55		50		40-140	10		50
Benzo(ghi)perylene	55		50		40-140	10		50
Fluorene	56		52		40-140	7		50
Phenanthrene	53		48		40-140	10		50
Dibenzo(a,h)anthracene	54		49		40-140	10		50
Indeno(1,2,3-cd)pyrene	54		50		40-140	8		50
Pyrene	60		52		35-142	14		50
Biphenyl	62		**49**	Q	54-104	23		50
4-Chloroaniline	**28**	Q	**22**	Q	40-140	24		50
2-Nitroaniline	67		68		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3								
3-Nitroaniline	39		33		26-129	17		50
4-Nitroaniline	58		55		41-125	5		50
Dibenzofuran	54		48		40-140	12		50
2-Methylnaphthalene	57		48		40-140	17		50
1,2,4,5-Tetrachlorobenzene	58		54		40-117	7		50
Acetophenone	64		54		14-144	17		50
2,4,6-Trichlorophenol	65		54		30-130	18		50
p-Chloro-m-cresol	65		55		26-103	17		50
2-Chlorophenol	62		50		25-102	21		50
2,4-Dichlorophenol	66		56		30-130	16		50
2,4-Dimethylphenol	62		53		30-130	16		50
2-Nitrophenol	64		56		30-130	13		50
4-Nitrophenol	66		61		11-114	8		50
2,4-Dinitrophenol	72		64		4-130	12		50
4,6-Dinitro-o-cresol	68		64		10-130	6		50
Pentachlorophenol	55		51		17-109	8		50
Phenol	59		49		26-90	19		50
2-Methylphenol	60		51		30-130.	16		50
3-Methylphenol/4-Methylphenol	63		55		30-130	14		50
2,4,5-Trichlorophenol	64		53		30-130	19		50
Benzoic Acid	67		63		10-110	6		50
Benzyl Alcohol	65		55		40-140	17		50
Carbazole	58		**52**	Q	54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1197073-2 WG1197073-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		51		25-120
Phenol-d6	62		52		10-120
Nitrobenzene-d5	60		51		23-120
2-Fluorobiphenyl	57		45		30-120
2,4,6-Tribromophenol	60		54		10-136
4-Terphenyl-d14	50		44		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1197268-2 WG1197268-3								
Acenaphthene	70		70		37-111	0		30
1,2,4-Trichlorobenzene	54		68		39-98	23		30
Hexachlorobenzene	72		69		40-140	4		30
Bis(2-chloroethyl)ether	64		69		40-140	8		30
2-Chloronaphthalene	90		85		40-140	6		30
1,2-Dichlorobenzene	59		66		40-140	11		30
1,3-Dichlorobenzene	57		62		40-140	8		30
1,4-Dichlorobenzene	57		64		36-97	12		30
3,3'-Dichlorobenzidine	72		52		40-140	**32**	Q	30
2,4-Dinitrotoluene	78		75		48-143	4		30
2,6-Dinitrotoluene	102		92		40-140	10		30
Fluoranthene	88		78		40-140	12		30
4-Chlorophenyl phenyl ether	73		73		40-140	0		30
4-Bromophenyl phenyl ether	75		74		40-140	1		30
Bis(2-chloroisopropyl)ether	68		73		40-140	7		30
Bis(2-chloroethoxy)methane	66		79		40-140	18		30
Hexachlorobutadiene	59		64		40-140	8		30
Hexachlorocyclopentadiene	62		66		40-140	6		30
Hexachloroethane	56		65		40-140	15		30
Isophorone	69		84		40-140	20		30
Naphthalene	69		71		40-140	3		30
Nitrobenzene	68		76		40-140	11		30
NDPA/DPA	80		77		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1197268-2 WG1197268-3								
n-Nitrosodi-n-propylamine	80		83		29-132	4		30
Bis(2-ethylhexyl)phthalate	90		85		40-140	6		30
Butyl benzyl phthalate	88		88		40-140	0		30
Di-n-butylphthalate	81		76		40-140	6		30
Di-n-octylphthalate	91		82		40-140	10		30
Diethyl phthalate	82		80		40-140	2		30
Dimethyl phthalate	104		98		40-140	6		30
Benzo(a)anthracene	89		81		40-140	9		30
Benzo(a)pyrene	115		88		40-140	27		30
Benzo(b)fluoranthene	110		85		40-140	26		30
Benzo(k)fluoranthene	94		88		40-140	7		30
Chrysene	85		81		40-140	5		30
Acenaphthylene	95		89		45-123	7		30
Anthracene	82		76		40-140	8		30
Benzo(ghi)perylene	86		80		40-140	7		30
Fluorene	75		73		40-140	3		30
Phenanthrene	78		74		40-140	5		30
Dibenzo(a,h)anthracene	87		81		40-140	7		30
Indeno(1,2,3-cd)pyrene	81		72		40-140	12		30
Pyrene	86		77		26-127	11		30
Biphenyl	83		81		40-140	2		30
4-Chloroaniline	75		42		40-140	**56**	Q	30
2-Nitroaniline	96		93		52-143	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1197268-2 WG1197268-3								
3-Nitroaniline	77		62		25-145	22		30
4-Nitroaniline	80		74		51-143	8		30
Dibenzofuran	70		71		40-140	1		30
2-Methylnaphthalene	75		83		40-140	10		30
1,2,4,5-Tetrachlorobenzene	70		74		2-134	6		30
Acetophenone	74		76		39-129	3		30
2,4,6-Trichlorophenol	95		94		30-130	1		30
p-Chloro-m-cresol	**102**	Q	97		23-97	5		30
2-Chlorophenol	72		75		27-123	4		30
2,4-Dichlorophenol	73		86		30-130	16		30
2,4-Dimethylphenol	67		62		30-130	8		30
2-Nitrophenol	62		76		30-130	20		30
4-Nitrophenol	**98**	Q	80		10-80	20		30
2,4-Dinitrophenol	84		81		20-130	4		30
4,6-Dinitro-o-cresol	80		78		20-164	3		30
Pentachlorophenol	86		86		9-103	0		30
Phenol	55		55		12-110	0		30
2-Methylphenol	81		78		30-130	4		30
3-Methylphenol/4-Methylphenol	86		78		30-130	10		30
2,4,5-Trichlorophenol	104		97		30-130	7		30
Benzoic Acid	69		76		10-164	10		30
Benzyl Alcohol	78		82		26-116	5		30
Carbazole	93		86		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1197268-2 WG1197268-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		64		21-120
Phenol-d6	53		52		10-120
Nitrobenzene-d5	69		72		23-120
2-Fluorobiphenyl	84		81		15-120
2,4,6-Tribromophenol	85		83		10-120
4-Terphenyl-d14	70		67		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05,07 Batch: WG1197269-2 WG1197269-3								
Acenaphthene	48		44		40-140	9		40
2-Chloronaphthalene	57		51		40-140	11		40
Fluoranthene	61		55		40-140	10		40
Hexachlorobutadiene	43		43		40-140	0		40
Naphthalene	46		44		40-140	4		40
Benzo(a)anthracene	60		55		40-140	9		40
Benzo(a)pyrene	54		50		40-140	8		40
Benzo(b)fluoranthene	52		48		40-140	8		40
Benzo(k)fluoranthene	53		50		40-140	6		40
Chrysene	55		51		40-140	8		40
Acenaphthylene	62		56		40-140	10		40
Anthracene	54		50		40-140	8		40
Benzo(ghi)perylene	41		**37**	Q	40-140	10		40
Fluorene	52		48		40-140	8		40
Phenanthrene	54		50		40-140	8		40
Dibenzo(a,h)anthracene	46		42		40-140	9		40
Indeno(1,2,3-cd)pyrene	54		49		40-140	10		40
Pyrene	62		55		40-140	12		40
2-Methylnaphthalene	53		49		40-140	8		40
Pentachlorophenol	56		50		40-140	11		40
Hexachlorobenzene	48		45		40-140	6		40
Hexachloroethane	**38**	Q	**38**	Q	40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05,07 Batch: WG1197269-2 WG1197269-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	30		29		21-120
Phenol-d6	29		27		10-120
Nitrobenzene-d5	53		50		23-120
2-Fluorobiphenyl	54		50		15-120
2,4,6-Tribromophenol	52		49		10-120
4-Terphenyl-d14	58		53		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1198691-2 WG1198691-3								
Acenaphthene	76		87		37-111	13		30
1,2,4-Trichlorobenzene	76		85		39-98	11		30
Hexachlorobenzene	82		94		40-140	14		30
Bis(2-chloroethyl)ether	73		86		40-140	16		30
2-Chloronaphthalene	87		99		40-140	13		30
1,2-Dichlorobenzene	73		85		40-140	15		30
1,3-Dichlorobenzene	71		80		40-140	12		30
1,4-Dichlorobenzene	69		83		36-97	18		30
3,3'-Dichlorobenzidine	44		59		40-140	29		30
2,4-Dinitrotoluene	82		90		48-143	9		30
2,6-Dinitrotoluene	92		101		40-140	9		30
Fluoranthene	78		87		40-140	11		30
4-Chlorophenyl phenyl ether	81		90		40-140	11		30
4-Bromophenyl phenyl ether	85		94		40-140	10		30
Bis(2-chloroisopropyl)ether	73		82		40-140	12		30
Bis(2-chloroethoxy)methane	77		88		40-140	13		30
Hexachlorobutadiene	81		95		40-140	16		30
Hexachlorocyclopentadiene	76		90		40-140	17		30
Hexachloroethane	73		84		40-140	14		30
Isophorone	86		98		40-140	13		30
Naphthalene	78		90		40-140	14		30
Nitrobenzene	82		93		40-140	13		30
NDPA/DPA	74		88		40-140	17		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1198691-2 WG1198691-3								
n-Nitrosodi-n-propylamine	89		100		29-132	12		30
Bis(2-ethylhexyl)phthalate	88		94		40-140	7		30
Butyl benzyl phthalate	93		104		40-140	11		30
Di-n-butylphthalate	82		90		40-140	9		30
Di-n-octylphthalate	91		98		40-140	7		30
Diethyl phthalate	90		98		40-140	9		30
Dimethyl phthalate	94		104		40-140	10		30
Benzo(a)anthracene	84		93		40-140	10		30
Benzo(a)pyrene	80		91		40-140	13		30
Benzo(b)fluoranthene	85		96		40-140	12		30
Benzo(k)fluoranthene	81		92		40-140	13		30
Chrysene	79		84		40-140	6		30
Acenaphthylene	86		96		45-123	11		30
Anthracene	80		88		40-140	10		30
Benzo(ghi)perylene	85		90		40-140	6		30
Fluorene	80		92		40-140	14		30
Phenanthrene	79		85		40-140	7		30
Dibenzo(a,h)anthracene	84		92		40-140	9		30
Indeno(1,2,3-cd)pyrene	78		83		40-140	6		30
Pyrene	74		83		26-127	11		30
Biphenyl	81		92		40-140	13		30
4-Chloroaniline	45		66		40-140	**38**	Q	30
2-Nitroaniline	96		102		52-143	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1198691-2 WG1198691-3								
3-Nitroaniline	62		78		25-145	23		30
4-Nitroaniline	72		83		51-143	14		30
Dibenzofuran	77		87		40-140	12		30
2-Methylnaphthalene	81		94		40-140	15		30
1,2,4,5-Tetrachlorobenzene	81		93		2-134	14		30
Acetophenone	84		94		39-129	11		30
2,4,6-Trichlorophenol	89		103		30-130	15		30
p-Chloro-m-cresol	90		**105**	Q	23-97	15		30
2-Chlorophenol	79		95		27-123	18		30
2,4-Dichlorophenol	87		97		30-130	11		30
2,4-Dimethylphenol	**10**	Q	**29**	Q	30-130	**97**	Q	30
2-Nitrophenol	90		104		30-130	14		30
4-Nitrophenol	**87**	Q	**101**	Q	10-80	15		30
2,4-Dinitrophenol	90		78		20-130	14		30
4,6-Dinitro-o-cresol	88		92		20-164	4		30
Pentachlorophenol	83		75		9-103	10		30
Phenol	64		74		12-110	14		30
2-Methylphenol	61		78		30-130	24		30
3-Methylphenol/4-Methylphenol	76		93		30-130	20		30
2,4,5-Trichlorophenol	93		106		30-130	13		30
Benzoic Acid	80		63		10-164	24		30
Benzyl Alcohol	90		100		26-116	11		30
Carbazole	82		90		55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1198691-2 WG1198691-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		86		21-120
Phenol-d6	63		75		10-120
Nitrobenzene-d5	83		94		23-120
2-Fluorobiphenyl	87		96		15-120
2,4,6-Tribromophenol	87		101		10-120
4-Terphenyl-d14	71		80		41-149

PCBS

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/14/19 22:23
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:14
Cleanup Method: EPA 3665A
Cleanup Date: 01/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	ND		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	47.5		ug/kg	36.4	3.77	1	A
PCBs, Total	47.5		ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 D
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/18/19 04:45
Analyst: WR
Percent Solids: 50%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:14
Cleanup Method: EPA 3665A
Cleanup Date: 01/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	311	27.6	5	A
Aroclor 1221	ND		ug/kg	311	31.2	5	A
Aroclor 1232	ND		ug/kg	311	66.0	5	A
Aroclor 1242	ND		ug/kg	311	42.0	5	A
Aroclor 1248	ND		ug/kg	311	46.7	5	A
Aroclor 1254	ND		ug/kg	311	34.0	5	A
Aroclor 1260	ND		ug/kg	311	57.5	5	A
Aroclor 1262	ND		ug/kg	311	39.5	5	A
Aroclor 1268	ND		ug/kg	311	32.2	5	A
PCBs, Total	ND		ug/kg	311	27.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/18/19 04:58
Analyst: WR
Percent Solids: 56%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:14
Cleanup Method: EPA 3665A
Cleanup Date: 01/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	296	26.3	5	A
Aroclor 1221	ND		ug/kg	296	29.7	5	A
Aroclor 1232	ND		ug/kg	296	62.8	5	A
Aroclor 1242	ND		ug/kg	296	39.9	5	A
Aroclor 1248	ND		ug/kg	296	44.4	5	A
Aroclor 1254	ND		ug/kg	296	32.4	5	A
Aroclor 1260	ND		ug/kg	296	54.7	5	A
Aroclor 1262	ND		ug/kg	296	37.6	5	A
Aroclor 1268	ND		ug/kg	296	30.7	5	A
PCBs, Total	ND		ug/kg	296	26.3	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8082A
Analytical Date: 01/16/19 07:54
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:22
Cleanup Method: EPA 3665A
Cleanup Date: 01/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/16/19 08:08
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:22
Cleanup Method: EPA 3665A
Cleanup Date: 01/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/14/19 15:11
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 01/12/19 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 01/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1197080-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.22	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.94	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.33	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/16/19 05:11
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:22
Cleanup Method: EPA 3665A
Cleanup Date: 01/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05,07 Batch: WG1197529-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	A
PCBs, Total	ND		ug/l	0.082	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1197080-2 WG1197080-3									
Aroclor 1016	61		63		40-140	3		50	A
Aroclor 1260	58		61		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		61		30-150	A
Decachlorobiphenyl	61		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	61		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05,07 Batch: WG1197529-2 WG1197529-3									
Aroclor 1016	88		85		40-140	4		50	A
Aroclor 1260	92		83		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		84		30-150	A
Decachlorobiphenyl	88		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		87		30-150	B
Decachlorobiphenyl	115		95		30-150	B

PESTICIDES

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/16/19 21:32
Analyst: BM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:10
Cleanup Method: EPA 3620B
Cleanup Date: 01/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.719	0.322	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.971	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	3.16		ug/kg	1.73	0.399	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.06	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.0	5.72	1	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 Date Collected: 01/10/19 15:10

Client ID: SB1-SS01-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	**170**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	**175**	Q	30-150	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 D
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/18/19 12:41
Analyst: BM
Percent Solids: 50%

Extraction Method: EPA 3546
Extraction Date: 01/17/19 17:15
Cleanup Method: EPA 3620B
Cleanup Date: 01/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	31.4	6.14	10	A
Lindane	ND		ug/kg	13.1	5.84	10	A
Alpha-BHC	ND		ug/kg	13.1	3.71	10	A
Beta-BHC	ND		ug/kg	31.4	11.9	10	A
Heptachlor	ND		ug/kg	15.7	7.03	10	A
Aldrin	ND		ug/kg	31.4	11.0	10	A
Heptachlor epoxide	ND		ug/kg	58.8	17.6	10	A
Endrin	ND		ug/kg	13.1	5.36	10	A
Endrin aldehyde	ND		ug/kg	39.2	13.7	10	A
Endrin ketone	ND		ug/kg	31.4	8.08	10	A
Dieldrin	ND		ug/kg	19.6	9.80	10	A
4,4'-DDE	ND		ug/kg	31.4	7.25	10	A
4,4'-DDD	ND		ug/kg	31.4	11.2	10	A
4,4'-DDT	ND		ug/kg	58.8	25.2	10	A
Endosulfan I	ND		ug/kg	31.4	7.41	10	A
Endosulfan II	ND		ug/kg	31.4	10.5	10	A
Endosulfan sulfate	ND		ug/kg	13.1	6.22	10	A
Methoxychlor	ND		ug/kg	58.8	18.3	10	A
Toxaphene	ND		ug/kg	588	165.	10	A
cis-Chlordane	ND		ug/kg	39.2	10.9	10	A
trans-Chlordane	ND		ug/kg	39.2	10.4	10	A
Chlordane	ND		ug/kg	255	104.	10	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 D
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	**271**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**4110**	Q	30-150	A
Decachlorobiphenyl	32		30-150	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/17/19 16:00
Analyst: BM
Percent Solids: 56%

Extraction Method: EPA 3546
Extraction Date: 01/13/19 02:10
Cleanup Method: EPA 3620B
Cleanup Date: 01/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	27.9	5.47	10	A
Lindane	ND		ug/kg	11.6	5.20	10	A
Alpha-BHC	ND		ug/kg	11.6	3.31	10	A
Beta-BHC	ND		ug/kg	27.9	10.6	10	A
Heptachlor	ND		ug/kg	14.0	6.26	10	A
Aldrin	ND		ug/kg	27.9	9.84	10	A
Heptachlor epoxide	ND		ug/kg	52.4	15.7	10	A
Endrin	ND		ug/kg	11.6	4.77	10	A
Endrin aldehyde	ND		ug/kg	34.9	12.2	10	A
Endrin ketone	ND		ug/kg	27.9	7.19	10	A
Dieldrin	ND		ug/kg	17.5	8.73	10	A
4,4'-DDE	ND		ug/kg	27.9	6.46	10	A
4,4'-DDD	ND		ug/kg	27.9	9.96	10	A
4,4'-DDT	ND		ug/kg	52.4	22.5	10	A
Endosulfan I	ND		ug/kg	27.9	6.60	10	A
Endosulfan II	ND		ug/kg	27.9	9.34	10	A
Endosulfan sulfate	ND		ug/kg	11.6	5.54	10	A
Methoxychlor	ND		ug/kg	52.4	16.3	10	A
Toxaphene	ND		ug/kg	524	147.	10	A
cis-Chlordane	ND		ug/kg	34.9	9.73	10	A
trans-Chlordane	ND		ug/kg	34.9	9.22	10	A
Chlordane	ND		ug/kg	227	92.5	10	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 D
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**60500**	Q	30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8081B
Analytical Date: 01/16/19 13:03
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/16/19 13:16
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND	IP	ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/13/19 20:44
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/12/19 04:52
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG1196978-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.657	0.294	A
Alpha-BHC	ND		ug/kg	0.657	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.789	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	A
Endrin	ND		ug/kg	0.657	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.690	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.986	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.563	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.527	A
Endosulfan sulfate	ND		ug/kg	0.657	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.920	A
Toxaphene	ND		ug/kg	29.6	8.28	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001
Lab Number: L1901467
Report Date: 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/13/19 20:44
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/12/19 04:52
Cleanup Method: EPA 3620B
Cleanup Date: 01/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG1196978-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/19 12:52
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05,07 Batch: WG1197534-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A
Heptachlor	ND		ug/l	0.014	0.002	B
Endrin ketone	ND		ug/l	0.029	0.003	B

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001
Lab Number: L1901467
Report Date: 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/19 12:52
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 01/14/19 16:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05,07 Batch: WG1197534-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/18/19 09:53
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/17/19 17:15
Cleanup Method: EPA 3620B
Cleanup Date: 01/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1198663-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.687	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.312	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/18/19 09:53
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 01/17/19 17:15
Cleanup Method: EPA 3620B
Cleanup Date: 01/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1198663-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1196978-2 WG1196978-3									
Delta-BHC	118		97		30-150	20		30	A
Lindane	119		97		30-150	20		30	A
Alpha-BHC	127		105		30-150	19		30	A
Beta-BHC	103		88		30-150	16		30	A
Heptachlor	124		102		30-150	19		30	A
Aldrin	111		100		30-150	10		30	A
Heptachlor epoxide	130		103		30-150	23		30	A
Endrin	123		105		30-150	16		30	A
Endrin aldehyde	88		78		30-150	12		30	A
Endrin ketone	118		98		30-150	19		30	A
Dieldrin	128		111		30-150	14		30	A
4,4'-DDE	107		95		30-150	12		30	A
4,4'-DDD	120		103		30-150	15		30	A
4,4'-DDT	118		100		30-150	17		30	A
Endosulfan I	104		92		30-150	12		30	A
Endosulfan II	114		97		30-150	16		30	A
Endosulfan sulfate	100		86		30-150	15		30	A
Methoxychlor	103		85		30-150	19		30	A
cis-Chlordane	79		75		30-150	5		30	A
trans-Chlordane	92		67		30-150	**31**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1196978-2 WG1196978-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		80		30-150	B
Decachlorobiphenyl	100		96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		81		30-150	A
Decachlorobiphenyl	116		103		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05,07 Batch: WG1197534-2 WG1197534-3									
Delta-BHC	88		78		30-150	12		20	A
Lindane	84		75		30-150	11		20	A
Alpha-BHC	92		80		30-150	14		20	A
Beta-BHC	95		88		30-150	8		20	A
Heptachlor	88		78		30-150	13		20	A
Aldrin	87		77		30-150	12		20	A
Heptachlor epoxide	96		85		30-150	11		20	A
Endrin	94		82		30-150	13		20	A
Endrin aldehyde	84		73		30-150	14		20	A
Endrin ketone	98		86		30-150	14		20	A
Dieldrin	98		86		30-150	13		20	A
4,4'-DDE	92		81		30-150	13		20	A
4,4'-DDD	91		81		30-150	12		20	A
4,4'-DDT	92		80		30-150	15		20	A
Endosulfan I	89		80		30-150	11		20	A
Endosulfan II	91		79		30-150	14		20	A
Endosulfan sulfate	94		83		30-150	11		20	A
Methoxychlor	101		91		30-150	10		20	A
cis-Chlordane	80		73		30-150	10		20	A
trans-Chlordane	82		73		30-150	10		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05,07 Batch: WG1197534-2 WG1197534-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		74		30-150	A
Decachlorobiphenyl	85		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		76		30-150	B
Decachlorobiphenyl	93		49		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1198663-2 WG1198663-3									
Delta-BHC	100		50		30-150	**67**	Q	30	A
Lindane	103		52		30-150	**66**	Q	30	A
Alpha-BHC	108		54		30-150	**67**	Q	30	A
Beta-BHC	112		58		30-150	**64**	Q	30	A
Heptachlor	70		40		30-150	**55**	Q	30	A
Aldrin	96		53		30-150	**58**	Q	30	A
Heptachlor epoxide	107		58		30-150	**59**	Q	30	A
Endrin	107		57		30-150	**61**	Q	30	A
Endrin aldehyde	83		43		30-150	**63**	Q	30	A
Endrin ketone	101		49		30-150	**69**	Q	30	A
Dieldrin	110		57		30-150	**63**	Q	30	A
4,4'-DDE	98		52		30-150	**61**	Q	30	A
4,4'-DDD	104		53		30-150	**65**	Q	30	A
4,4'-DDT	107		54		30-150	**66**	Q	30	A
Endosulfan I	94		51		30-150	**59**	Q	30	A
Endosulfan II	100		52		30-150	**63**	Q	30	A
Endosulfan sulfate	92		48		30-150	**63**	Q	30	A
Methoxychlor	110		55		30-150	**67**	Q	30	A
cis-Chlordane	85		47		30-150	**58**	Q	30	A
trans-Chlordane	102		60		30-150	**52**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1198663-2 WG1198663-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		56		30-150	B
Decachlorobiphenyl	71		43		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		49		30-150	A
Decachlorobiphenyl	65		51		30-150	A

METALS

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01 Date Collected: 01/10/19 15:10

Client ID: SB1-SS01-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6290		mg/kg	8.76	2.36	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Antimony, Total	13.6		mg/kg	4.38	0.333	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Arsenic, Total	15.2		mg/kg	0.876	0.182	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Barium, Total	49.3		mg/kg	0.876	0.152	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Beryllium, Total	0.158	J	mg/kg	0.438	0.029	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Cadmium, Total	3.48		mg/kg	0.876	0.086	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Calcium, Total	27600		mg/kg	8.76	3.06	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Chromium, Total	94.8		mg/kg	0.876	0.084	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Cobalt, Total	604		mg/kg	1.75	0.145	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Copper, Total	1670		mg/kg	0.876	0.226	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Iron, Total	52500		mg/kg	43.8	7.91	20	01/15/19 16:01	01/17/19 14:36	EPA 3050B	1,6010D	LC
Lead, Total	1720		mg/kg	4.38	0.235	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Magnesium, Total	3490		mg/kg	8.76	1.35	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Manganese, Total	1370		mg/kg	0.876	0.139	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Mercury, Total	2.12		mg/kg	0.069	0.015	1	01/12/19 09:00	01/17/19 21:02	EPA 7471B	1,7471B	EA
Nickel, Total	38.2		mg/kg	2.19	0.212	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Potassium, Total	1520		mg/kg	219	12.6	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Selenium, Total	1.54	J	mg/kg	1.75	0.226	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Silver, Total	1.23		mg/kg	0.876	0.248	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Sodium, Total	870		mg/kg	175	2.76	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Thallium, Total	4.61		mg/kg	1.75	0.276	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Vanadium, Total	33.5		mg/kg	0.876	0.178	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB
Zinc, Total	6170		mg/kg	4.38	0.257	2	01/15/19 16:01	01/16/19 17:57	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 50%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9080		mg/kg	15.3	4.14	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	7.66	0.582	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Arsenic, Total	6.87		mg/kg	1.53	0.319	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Barium, Total	53.8		mg/kg	1.53	0.267	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Beryllium, Total	0.322	J	mg/kg	0.766	0.051	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Cadmium, Total	0.521	J	mg/kg	1.53	0.150	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Calcium, Total	3620		mg/kg	15.3	5.36	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Chromium, Total	22.5		mg/kg	1.53	0.147	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Cobalt, Total	9.64		mg/kg	3.06	0.254	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Copper, Total	37.0		mg/kg	1.53	0.395	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Iron, Total	21700		mg/kg	7.66	1.38	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Lead, Total	263		mg/kg	7.66	0.411	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Magnesium, Total	4260		mg/kg	15.3	2.36	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Manganese, Total	300		mg/kg	1.53	0.244	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Mercury, Total	0.052	J	mg/kg	0.124	0.026	1	01/12/19 09:00	01/17/19 21:15	EPA 7471B	1,7471B	EA
Nickel, Total	15.0		mg/kg	3.83	0.371	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Potassium, Total	1930		mg/kg	383	22.1	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	3.06	0.395	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.53	0.434	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Sodium, Total	2860		mg/kg	306	4.83	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	3.06	0.483	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Vanadium, Total	36.4		mg/kg	1.53	0.311	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB
Zinc, Total	134		mg/kg	7.66	0.449	2	01/15/19 16:01	01/16/19 18:02	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03 Date Collected: 01/10/19 15:50

Client ID: SB1-SS02DUP-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 56%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13600		mg/kg	13.9	3.75	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	6.94	0.528	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Arsenic, Total	13.6		mg/kg	1.39	0.289	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Barium, Total	48.7		mg/kg	1.39	0.242	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Beryllium, Total	0.597	J	mg/kg	0.694	0.046	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Cadmium, Total	0.500	J	mg/kg	1.39	0.136	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Calcium, Total	3500		mg/kg	13.9	4.86	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Chromium, Total	25.7		mg/kg	1.39	0.133	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Cobalt, Total	10.8		mg/kg	2.78	0.230	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Copper, Total	51.0		mg/kg	1.39	0.358	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Iron, Total	21800		mg/kg	6.94	1.25	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Lead, Total	91.3		mg/kg	6.94	0.372	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Magnesium, Total	4810		mg/kg	13.9	2.14	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Manganese, Total	225		mg/kg	1.39	0.221	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Mercury, Total	1.20		mg/kg	0.112	0.024	1	01/12/19 09:00	01/17/19 21:17	EPA 7471B	1,7471B	EA
Nickel, Total	24.2		mg/kg	3.47	0.336	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Potassium, Total	2450		mg/kg	347	20.0	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Selenium, Total	0.611	J	mg/kg	2.78	0.358	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.39	0.393	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Sodium, Total	2100		mg/kg	278	4.37	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	2.78	0.437	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Vanadium, Total	36.5		mg/kg	1.39	0.282	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB
Zinc, Total	104		mg/kg	6.94	0.407	2	01/15/19 16:01	01/16/19 18:06	EPA 3050B	1,6010D	AB

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00483	J	mg/l	0.0100	0.00327	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Antimony, Total	0.00043	J	mg/l	0.00400	0.00042	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Barium, Total	0.00106		mg/l	0.00050	0.00017	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Calcium, Total	0.0434	J	mg/l	0.100	0.0394	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Chromium, Total	0.00040	J	mg/l	0.00100	0.00017	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Copper, Total	0.00226		mg/l	0.00100	0.00038	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Iron, Total	0.0310	J	mg/l	0.0600	0.0191	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Manganese, Total	0.00075	J	mg/l	0.00100	0.00044	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/15/19 14:26	01/15/19 22:21	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Sodium, Total	0.223		mg/l	0.125	0.0293	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/14/19 17:58	01/15/19 11:56	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00095		mg/l	0.00050	0.00017	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05 Date Collected: 01/10/19 16:40

Client ID: FB-AQ-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Calcium, Dissolved	0.0676	J	mg/l	0.100	0.0394	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00038	J	mg/l	0.00100	0.00017	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00225		mg/l	0.00100	0.00038	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0650	0.0191	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/15/19 16:09	01/15/19 22:48	EPA 7470A	1,7470A	MG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Sodium, Dissolved	0.198		mg/l	0.100	0.0293	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/14/19 15:53	01/15/19 16:33	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.02		mg/l	0.0100	0.00327	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Antimony, Total	0.00118	J	mg/l	0.00400	0.00042	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00778		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Barium, Total	0.4783		mg/l	0.00050	0.00017	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00013	J	mg/l	0.00020	0.00005	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Calcium, Total	214.		mg/l	0.100	0.0394	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Chromium, Total	0.00381		mg/l	0.00100	0.00017	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00753		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Copper, Total	0.02478		mg/l	0.00100	0.00038	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Iron, Total	22.3		mg/l	0.0600	0.0191	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Lead, Total	0.4708		mg/l	0.00100	0.00034	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Magnesium, Total	47.8		mg/l	0.0700	0.0242	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Manganese, Total	2.765		mg/l	0.00100	0.00044	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/15/19 14:26	01/15/19 22:22	EPA 7470A	1,7470A	MG
Nickel, Total	0.00698		mg/l	0.00200	0.00055	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Potassium, Total	37.4		mg/l	0.100	0.0309	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Sodium, Total	269.		mg/l	0.125	0.0293	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00460	J	mg/l	0.00500	0.00157	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Zinc, Total	0.08951		mg/l	0.01000	0.00341	1	01/14/19 17:58	01/15/19 12:29	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.987		mg/l	0.0100	0.00327	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00129	J	mg/l	0.00400	0.00042	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00803		mg/l	0.00050	0.00016	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.4826		mg/l	0.00050	0.00017	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07 Date Collected: 01/10/19 18:10

Client ID: TW1-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00012	J	mg/l	0.00020	0.00005	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Calcium, Dissolved	225.		mg/l	0.100	0.0394	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00383		mg/l	0.00100	0.00017	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00779		mg/l	0.00050	0.00016	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.02382		mg/l	0.00100	0.00038	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Iron, Dissolved	22.7		mg/l	0.0650	0.0191	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.4546		mg/l	0.00100	0.00034	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	50.2		mg/l	0.0700	0.0242	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Manganese, Dissolved	2.904		mg/l	0.00100	0.00044	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/15/19 16:09	01/15/19 22:50	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00722		mg/l	0.00200	0.00055	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Potassium, Dissolved	39.2		mg/l	0.100	0.0309	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Sodium, Dissolved	278.		mg/l	0.100	0.0293	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00468	J	mg/l	0.00500	0.00157	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.09429		mg/l	0.01000	0.00341	1	01/14/19 15:53	01/15/19 17:02	EPA 3005A	1,6020B	AM

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1196994-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	01/12/19 09:00	01/17/19 20:58	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05,07 Batch: WG1197503-1										
Aluminum, Dissolved	0.00360	J	mg/l	0.0100	0.00327	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Antimony, Dissolved	0.00057	J	mg/l	0.00400	0.00042	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Iron, Dissolved	0.0314	J	mg/l	0.0650	0.0191	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/14/19 16:55	01/15/19 15:18	1,6020B	AM

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05,07 Batch: WG1197510-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Antimony, Total	0.00060	J	mg/l	0.00400	0.00042	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Iron, Total	0.0401	J	mg/l	0.0600	0.0191	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Sodium, Total	0.107	J	mg/l	0.125	0.0293	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/14/19 17:58	01/15/19 10:12	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05,07 Batch: WG1197867-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	01/15/19 14:26	01/15/19 22:05	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1197879-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Arsenic, Total	0.096	J	mg/kg	0.400	0.083	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Copper, Total	0.316	J	mg/kg	0.400	0.103	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Sodium, Total	4.63	J	mg/kg	80.0	1.26	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/15/19 16:01	01/16/19 15:26	1,6010D	AB

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05,07 Batch: WG1197893-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	01/15/19 16:09	01/15/19 22:34	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1196994-2 SRM Lot Number: D101-540								
Mercury, Total	123		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197503-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	96	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	115	-	80-120	-	
Calcium, Dissolved	92	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	96	-	80-120	-	
Copper, Dissolved	95	-	80-120	-	
Iron, Dissolved	104	-	80-120	-	
Lead, Dissolved	109	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	93	-	80-120	-	
Nickel, Dissolved	96	-	80-120	-	
Potassium, Dissolved	93	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	104	-	80-120	-	
Sodium, Dissolved	97	-	80-120	-	
Thallium, Dissolved	104	-	80-120	-	
Vanadium, Dissolved	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197503-2					
Zinc, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197510-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	117	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	119	-	80-120	-	
Lead, Total	114	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	115	-	80-120	-	
Silver, Total	110	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197510-2					
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197867-2					
Mercury, Total	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197879-2 SRM Lot Number: D101-540					
Aluminum, Total	69	-	50-151	-	
Antimony, Total	144	-	3-196	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	95	-	83-117	-	
Cadmium, Total	93	-	83-117	-	
Calcium, Total	88	-	81-119	-	
Chromium, Total	92	-	81-118	-	
Cobalt, Total	90	-	84-116	-	
Copper, Total	94	-	83-116	-	
Iron, Total	102	-	62-138	-	
Lead, Total	88	-	83-117	-	
Magnesium, Total	82	-	76-124	-	
Manganese, Total	91	-	82-118	-	
Nickel, Total	92	-	82-117	-	
Potassium, Total	82	-	71-130	-	
Selenium, Total	89	-	79-121	-	
Silver, Total	94	-	80-120	-	
Sodium, Total	105	-	72-127	-	
Thallium, Total	93	-	81-119	-	
Vanadium, Total	100	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1197879-2 SRM Lot Number: D101-540					
Zinc, Total	90	-	81-119	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 Batch: WG1197893-2					
Mercury, Dissolved	81	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196994-3 QC Sample: L1901467-01 Client ID: SB1-SS01-20190110												
Mercury, Total	2.12	0.137	2.06	**0**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197503-3 QC Sample: L1901371-02 Client ID: MS Sample									
Aluminum, Dissolved	0.006J	2	2.18	109	-	-	75-125	-	20
Antimony, Dissolved	0.0010J	0.5	0.5438	109	-	-	75-125	-	20
Arsenic, Dissolved	0.00019J	0.12	0.1276	106	-	-	75-125	-	20
Barium, Dissolved	0.00884	2	2.079	104	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05493	110	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05771	113	-	-	75-125	-	20
Calcium, Dissolved	42.2	10	53.7	115	-	-	75-125	-	20
Chromium, Dissolved	0.00023J	0.2	0.2001	100	-	-	75-125	-	20
Cobalt, Dissolved	0.0006	0.5	0.5076	101	-	-	75-125	-	20
Copper, Dissolved	0.0008J	0.25	0.2533	101	-	-	75-125	-	20
Iron, Dissolved	0.196	1	1.40	120	-	-	75-125	-	20
Lead, Dissolved	0.00057J	0.51	0.5786	113	-	-	75-125	-	20
Magnesium, Dissolved	17.2	10	29.0	118	-	-	75-125	-	20
Manganese, Dissolved	0.1176	0.5	0.6282	102	-	-	75-125	-	20
Nickel, Dissolved	0.0048	0.5	0.5184	103	-	-	75-125	-	20
Potassium, Dissolved	7.37	10	17.5	101	-	-	75-125	-	20
Selenium, Dissolved	0.00292J	0.12	0.127	106	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05179	104	-	-	75-125	-	20
Sodium, Dissolved	42.7	10	54.5	118	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1302	108	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4901	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197503-3 QC Sample: L1901371-02 Client ID: MS Sample										
Zinc, Dissolved	2.213	0.5	2.930	**143**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197510-3 QC Sample: L1901371-01 Client ID: MS Sample									
Aluminum, Total	0.265	2	2.39	106	-	-	75-125	-	20
Antimony, Total	0.0011J	0.5	0.5407	108	-	-	75-125	-	20
Arsenic, Total	0.00097	0.12	0.1269	105	-	-	75-125	-	20
Barium, Total	0.02163	2	2.041	101	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05574	111	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05772	113	-	-	75-125	-	20
Calcium, Total	32.7	10	42.3	96	-	-	75-125	-	20
Chromium, Total	0.00051J	0.2	0.1969	98	-	-	75-125	-	20
Cobalt, Total	0.0004J	0.5	0.5064	101	-	-	75-125	-	20
Copper, Total	0.0009J	0.25	0.2544	102	-	-	75-125	-	20
Iron, Total	0.596	1	1.83	123	-	-	75-125	-	20
Lead, Total	0.00065J	0.51	0.5718	112	-	-	75-125	-	20
Magnesium, Total	5.99	10	17.7	117	-	-	75-125	-	20
Manganese, Total	0.1080	0.5	0.5843	95	-	-	75-125	-	20
Nickel, Total	0.0009J	0.5	0.5132	103	-	-	75-125	-	20
Potassium, Total	3.16	10	13.8	106	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.117	98	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05225	104	-	-	75-125	-	20
Sodium, Total	134	10	144	100	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1314	110	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4980	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197510-3 QC Sample: L1901371-01 Client ID: MS Sample									
Zinc, Total	0.0080J	0.5	0.5502	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197867-3 QC Sample: L1901430-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00435	87	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197879-3 QC Sample: L1901653-01 Client ID: MS Sample										
Aluminum, Total	19000	191	19000	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	47.8	36.3	76		-	-	75-125	-	20
Arsenic, Total	7.07	11.5	18.2	97		-	-	75-125	-	20
Barium, Total	76.1	191	233	82		-	-	75-125	-	20
Beryllium, Total	0.581	4.78	4.49	82		-	-	75-125	-	20
Cadmium, Total	0.437J	4.88	4.50	92		-	-	75-125	-	20
Calcium, Total	764	957	1450	**72**	Q	-	-	75-125	-	20
Chromium, Total	24.6	19.1	66.5	**219**	Q	-	-	75-125	-	20
Cobalt, Total	9.95	47.8	44.6	**72**	Q	-	-	75-125	-	20
Copper, Total	9.37	23.9	29.7	85		-	-	75-125	-	20
Iron, Total	27000	95.7	29300	**2400**	Q	-	-	75-125	-	20
Lead, Total	21.0	48.8	57.1	**74**	Q	-	-	75-125	-	20
Magnesium, Total	1420	957	2130	**74**	Q	-	-	75-125	-	20
Manganese, Total	368	47.8	421	111		-	-	75-125	-	20
Nickel, Total	10.4	47.8	48.0	78		-	-	75-125	-	20
Potassium, Total	652	957	1380	76		-	-	75-125	-	20
Selenium, Total	0.807J	11.5	8.56	**74**	Q	-	-	75-125	-	20
Silver, Total	ND	28.7	26.6	93		-	-	75-125	-	20
Sodium, Total	23.6J	957	833	87		-	-	75-125	-	20
Thallium, Total	ND	11.5	8.02	**70**	Q	-	-	75-125	-	20
Vanadium, Total	42.0	47.8	83.2	86		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197879-3 QC Sample: L1901653-01 Client ID: MS Sample									
Zinc, Total	44.0	47.8	87.7	91	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197893-3 QC Sample: L1901553-04 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00479	96	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1196994-4 QC Sample: L1901467-01 Client ID: SB1-SS01-20190110						
Mercury, Total	2.12	1.63	mg/kg	**26**	Q	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197503-4 QC Sample: L1901371-02 Client ID: DUP Sample						
Arsenic, Dissolved	0.00019J	0.00032J	mg/l	NC		20
Barium, Dissolved	0.00884	0.00881	mg/l	0		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	0.00023J	0.00028J	mg/l	NC		20
Lead, Dissolved	0.00057J	0.00058J	mg/l	NC		20
Selenium, Dissolved	0.00292J	0.00246J	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197510-4 QC Sample: L1901371-01 Client ID: DUP Sample						
Arsenic, Total	0.00097	0.00114	mg/l	16		20
Barium, Total	0.02163	0.02279	mg/l	5		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00051J	0.00048J	mg/l	NC		20
Lead, Total	0.00065J	0.00069J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197867-4 QC Sample: L1901430-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1197879-4 QC Sample: L1901653-01 Client ID: DUP Sample					
Lead, Total	21.0	18.8	mg/kg	11	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05,07 QC Batch ID: WG1197893-4 QC Sample: L1901553-04 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-01
Client ID: SB1-SS01-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	01/12/19 14:45	121,2540G	RI

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-02
Client ID: SB1-SS02-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	50.3		%	0.100	NA	1	-	01/12/19 14:45	121,2540G	RI

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-03
Client ID: SB1-SS02DUP-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 15:50
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	56.0		%	0.100	NA	1	-	01/12/19 14:45	121,2540G	RI

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-05
Client ID: FB-AQ-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 16:40
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:56	1,9010C/9012B	JO

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

SAMPLE RESULTS

Lab ID: L1901467-07
Client ID: TW1-20190110
Sample Location: 47-50 30TH, LIC, NY 11101

Date Collected: 01/10/19 18:10
Date Received: 01/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:57	1,9010C/9012B	JO

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1901467

Project Number: 1690010617-001 **Report Date:** 01/25/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 05,07 Batch: WG1197393-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/14/19 11:15	01/14/19 15:37	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05,07 Batch: WG1197393-2 WG1197393-3								
Cyanide, Total	110		108		85-115	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1901467

Report Date: 01/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1197067-1 QC Sample: L1901472-01 Client ID: DUP Sample						
Solids, Total	86.2	86.1	%	0		20

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901467-01A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1901467-01B	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14)
L1901467-01C	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14)
L1901467-01D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1901467-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901467-01F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1901467-02A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-02B	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-02C	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-02D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1901467-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901467-02F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),NJ-8082(14),NJ-8270(14),NYTCL-8081(14),NJ-8081(14),NYTCL-8082(14)
L1901467-03A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-03B	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-03C	Vial water preserved	B	NA		3.5	Y	Absent	12-JAN-19 01:49	NYTCL-8260HLW(14),NJ-8260HLW(14)
L1901467-03D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901467-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1901467-03F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),NJ-8082(14),NJ-8270(14),NYTCL-8081(14),NJ-8081(14),NYTCL-8082(14)
L1901467-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1901467-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1901467-04C	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901467-04D	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901467-05A	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901467-05B	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901467-05C	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L1901467-05D	Plastic 250ml NaOH preserved	B	>12	>12	3.5	Y	Absent		TCN-9010(14)
L1901467-05E	Plastic 250ml unpreserved	B	7	7	3.5	Y	Absent		MG-6020S(180)
L1901467-05F	Plastic 250ml HNO3 preserved	B	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1901467-05G	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901467-05H	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901467-05I	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901467-05J	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901467-05K	Amber 250ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901467-05L	Amber 250ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901467-05X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1901467-06A	Vial MeOH preserved	A	NA		3.2	Y	Absent		HOLD-8260HLW(14)
L1901467-06B	Vial water preserved	A	NA		3.2	Y	Absent	12-JAN-19 01:49	HOLD-8260HLW(14)
L1901467-06C	Vial water preserved	A	NA		3.2	Y	Absent	12-JAN-19 01:49	HOLD-8260HLW(14)
L1901467-06D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		HOLD-WETCHEM()
L1901467-06E	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		HOLD-METAL(180)
L1901467-06F	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-CONTINGENCY(14)
L1901467-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1901467-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1901467-07C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1901467-07D	Plastic 250ml NaOH preserved	B	>12	>12	3.5	Y	Absent		TCN-9010(14)
L1901467-07E	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L1901467-07F	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1901467-07G	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901467-07H	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L1901467-07I	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901467-07J	Amber 120ml unpreserved	B	7	7	3.5	Y	Absent		NYTCL-8081(7)
L1901467-07K	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1901467-07L	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1901467
Report Date: 01/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901467-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1901467
Project Number:	1690010617-001	**Report Date:**	01/25/19

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 1/11/19

ALPHA Job #: L1901467

Client Information

Client: Ramboll
Address: 101 Carnegie Ctr
Princeton NJ 08540
Phone: (609)243-9816
Fax:
Email: eddprinceton@ramboll.com

Project Information

Project Name: 47-50 30th LIC, NY 11101
Project Location: 47-50 30th LIC NY 11101
Project #: 1690010617-001
(Use Project name as Project #)
Project Manager: Matthew Sweet
ALPHAQuote #:

Turn-Around Time

Standard: X
Rush (only if pre approved):
Due Date:
of Days:

Deliverables

- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File): X
- Other

Billing Information

- Same as Client Info

PO #: 1690010617-001

Regulatory Requirement

- NY TOGS: X
- NY Part 375: X
- AWQ Standards: X
- NY CP-51: X
- NY Restricted Use: X
- Other
- NY Unrestricted Use: X
- NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

send results to eddprinceton@ramboll.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL+230	Dissolved Metals	VOC	RCRA Char	TCLP				Sample Specific Comments	Total Bottle
01467-01	SB1-S501-20190110	1/10/19	1510	Soil	VS	X									
-02	SB1-S502-20190110	1/10/19	1550	Soil	VS	X									
-03	SB1-S502 DUP-20190110	1/10/19	1550	Soil	VS	X									
-04	TB-20190110	1/10/19	—	AQ	—			X							
-05	EB-AQ-20190110	1/10/19	1540	AQ	MJS	X	X								
-06	WC-20190110	1/10/19	1740	Soil	MJS				X	X				Hold	
-07	TW1-20190110	1/10/19	1810	AQ	MJS	X	X								

Container Type: P A P N / V,G
Preservative: B,C E A HCl

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/11/19 10:17	Sean Frost (AAL)	1/11/19 10:17
[illegible]	1/11/19 1516	D. Santos AAL	1/11/19 1900
D. Santos AAL	1/11/19 2245	[signature]	1/11/19 2245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1901642
Client:	Ramboll 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH ST.
Project Number:	1690010617-001
Report Date:	01/21/19

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: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901642-01	AA01-20190112	AIR	47-50 30TH ST. LIC	01/13/19 09:20	01/14/19
L1901642-02	IA4-20190112	AIR	47-50 30TH ST. LIC	01/13/19 09:30	01/14/19
L1901642-03	IA2-20190112	AIR	47-50 30TH ST. LIC	01/13/19 09:25	01/14/19
L1901642-04	IA6-20190112	AIR	47-50 30TH ST. LIC	01/13/19 09:40	01/14/19
L1901642-05	IA10-20190112	AIR	47-50 30TH ST. LIC	01/13/19 09:35	01/14/19
L1901642-06	IA1-20190112	AIR	47-50 30TH ST. LIC	01/13/19 10:00	01/14/19
L1901642-07	UNUSED CAN #321	AIR	47-50 30TH ST. LIC		01/14/19

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901642
Project Number:	1690010617-001	**Report Date:**	01/21/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 47-50 30TH ST. **Lab Number:** L1901642
Project Number: 1690010617-001 **Report Date:** 01/21/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 8 and 9, 2019. The canister certification results are provided as an addendum.

L1901642-03: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1901642-04: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1901642-05: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1901642-06: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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: 01/21/19

AIR

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-01
Client ID: AA01-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:20
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 17:36
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.678	0.200	--	3.35	0.989	--		1
Chloromethane	0.590	0.200	--	1.22	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.98	1.00	--	7.08	2.38	--		1
Trichlorofluoromethane	0.334	0.200	--	1.88	1.12	--		1
iso-Propyl Alcohol	0.677	0.500	--	1.66	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.10	0.200	--	3.43	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-01
Client ID: AA01-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:20
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		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
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	0.500	--	ND	2.05	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.213	0.200	--	0.803	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
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
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-01
Client ID: AA01-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:20
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.228	0.200	--	1.12	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	96		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	97		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-01
Client ID: AA01-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:20
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 17:36
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.317	0.020	--	2.15	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	98		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-02
Client ID: IA4-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:30
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 18:14
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.558	0.200	--	2.76	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	57.4	5.00	--	108	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	49.8	1.00	--	118	2.38	--		1
Trichlorofluoromethane	0.266	0.200	--	1.49	1.12	--		1
iso-Propyl Alcohol	45.4	0.500	--	112	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.733	0.500	--	2.55	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.523	0.500	--	1.54	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-02
Client ID: IA4-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:30
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.02	0.200	--	3.59	0.705	--		1
Benzene	0.214	0.200	--	0.684	0.639	--		1
Cyclohexane	0.428	0.200	--	1.47	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.55	0.200	--	14.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	6.22	0.200	--	27.0	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.30	0.200	--	4.90	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.418	0.200	--	1.82	0.869	--		1
p/m-Xylene	2.38	0.400	--	10.3	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	0.461	0.200	--	1.96	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-02
Client ID: IA4-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:30
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	3.84	0.200	--	16.7	0.869	--		1
4-Ethyltoluene	22.2	0.200	--	109	0.983	--		1
1,3,5-Trimethylbenzene	23.4	0.200	--	115	0.983	--		1
1,2,4-Trimethylbenzene	75.5	0.200	--	371	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	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-02
Client ID: IA4-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:30
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 18:14
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	0.117	0.020	--	0.629	0.107	--		1
Tetrachloroethene	28.2	0.020	--	191	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-03
Client ID: IA2-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:25
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 18:53
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.518	0.200	--	1.07	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	32.1	5.00	--	60.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	37.2	1.00	--	88.4	2.38	--		1
Trichlorofluoromethane	0.272	0.200	--	1.53	1.12	--		1
iso-Propyl Alcohol	41.6	0.500	--	102	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.03	0.500	--	3.58	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.599	0.500	--	1.77	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-03
Client ID: IA2-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:25
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.742	0.200	--	2.62	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.291	0.200	--	1.00	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.44	0.200	--	5.90	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	4.10	0.200	--	17.8	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.823	0.200	--	3.10	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.311	0.200	--	1.35	0.869	--		1
p/m-Xylene	1.59	0.400	--	6.91	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	0.365	0.200	--	1.55	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-03
Client ID: IA2-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:25
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	2.51	0.200	--	10.9	0.869	--		1
4-Ethyltoluene	14.8	0.200	--	72.8	0.983	--		1
1,3,5-Trimethylbenzene	15.9	0.200	--	78.2	0.983	--		1
1,2,4-Trimethylbenzene	53.0	0.200	--	261	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	97		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-03
Client ID: IA2-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:25
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 18:53
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.210	0.020	--	1.13	0.107	--		1
Tetrachloroethene	53.8	0.020	--	365	0.136	--	E	1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-03 D
Client ID: IA2-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:25
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/19 09:43
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	52.5	0.040	--	356	0.271	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	70		60-140
chlorobenzene-d5	91		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-04
Client ID: IA6-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:40
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 19:31
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.568	0.200	--	2.81	0.989	--		1
Chloromethane	0.566	0.200	--	1.17	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	106	5.00	--	200	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	109	1.00	--	259	2.38	--		1
Trichlorofluoromethane	0.299	0.200	--	1.68	1.12	--		1
iso-Propyl Alcohol	80.9	0.500	--	199	1.23	--		1
tert-Butyl Alcohol	0.820	0.500	--	2.49	1.52	--		1
Methylene chloride	0.613	0.500	--	2.13	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.717	0.500	--	2.11	1.47	--		1
Ethyl Acetate	0.547	0.500	--	1.97	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-04
Client ID: IA6-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:40
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.43	0.200	--	5.04	0.705	--		1
Benzene	0.211	0.200	--	0.674	0.639	--		1
Cyclohexane	0.731	0.200	--	2.52	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	9.65	0.200	--	39.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	13.3	0.200	--	57.8	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.76	0.200	--	10.4	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.877	0.200	--	3.81	0.869	--		1
p/m-Xylene	5.18	0.400	--	22.5	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	0.548	0.200	--	2.33	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-04
Client ID: IA6-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:40
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	8.17	0.200	--	35.5	0.869	--		1
4-Ethyltoluene	38.2	0.200	--	188	0.983	--		1
1,3,5-Trimethylbenzene	47.1	0.200	--	232	0.983	--		1
1,2,4-Trimethylbenzene	136	0.200	--	669	0.983	--	E	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	96		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	97		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-04
Client ID: IA6-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:40
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 19:31
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.025	0.020	--	0.134	0.107	--		1
Tetrachloroethene	4.20	0.020	--	28.5	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	97		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-04 D
Client ID: IA6-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:40
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/19 10:19
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	164	0.500	--	806	2.46	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-05
Client ID: IA10-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:35
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 20:10
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.480	0.200	--	0.991	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	48.6	5.00	--	91.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	108	1.00	--	257	2.38	--		1
Trichlorofluoromethane	0.263	0.200	--	1.48	1.12	--		1
iso-Propyl Alcohol	71.1	0.500	--	175	1.23	--		1
tert-Butyl Alcohol	0.617	0.500	--	1.87	1.52	--		1
Methylene chloride	0.664	0.500	--	2.31	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.760	0.500	--	2.24	1.47	--		1
Ethyl Acetate	0.510	0.500	--	1.84	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-05
Client ID: IA10-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:35
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.996	0.200	--	3.51	0.705	--		1
Benzene	0.209	0.200	--	0.668	0.639	--		1
Cyclohexane	0.949	0.200	--	3.27	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	13.9	0.200	--	57.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	16.9	0.200	--	73.4	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.44	0.200	--	13.0	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.15	0.200	--	5.00	0.869	--		1
p/m-Xylene	6.64	0.400	--	28.8	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.382	0.200	--	1.63	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-05
Client ID: IA10-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:35
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	10.3	0.200	--	44.7	0.869	--		1
4-Ethyltoluene	49.2	0.200	--	242	0.983	--		1
1,3,5-Trimethylbenzene	57.4	0.200	--	282	0.983	--		1
1,2,4-Trimethylbenzene	156	0.200	--	767	0.983	--	E	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	101		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-05
Client ID: IA10-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:35
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 20:10
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.024	0.020	--	0.129	0.107	--		1
Tetrachloroethene	3.75	0.020	--	25.4	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	103		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-05 D
Client ID: IA10-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 09:35
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/19 21:03
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	190	0.500	--	934	2.46	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	98		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-06
Client ID: IA1-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 10:00
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/17/19 21:27
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.514	0.200	--	1.06	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		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
Ethyl Alcohol	37.1	5.00	--	69.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	49.5	1.00	--	118	2.38	--		1
Trichlorofluoromethane	0.267	0.200	--	1.50	1.12	--		1
iso-Propyl Alcohol	51.2	0.500	--	126	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.63	0.500	--	5.66	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.807	0.500	--	2.38	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-06
Client ID: IA1-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 10:00
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.794	0.200	--	2.80	0.705	--		1
Benzene	0.219	0.200	--	0.700	0.639	--		1
Cyclohexane	0.342	0.200	--	1.18	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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.64	0.200	--	6.72	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	4.97	0.200	--	21.6	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.05	0.200	--	3.96	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.354	0.200	--	1.54	0.869	--		1
p/m-Xylene	1.84	0.400	--	7.99	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.421	0.200	--	1.79	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-06
Client ID: IA1-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 10:00
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	3.13	0.200	--	13.6	0.869	--		1
4-Ethyltoluene	15.6	0.200	--	76.7	0.983	--		1
1,3,5-Trimethylbenzene	20.4	0.200	--	100	0.983	--		1
1,2,4-Trimethylbenzene	66.7	0.200	--	328	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	101		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-06
Client ID: IA1-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 10:00
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 21:27
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.223	0.020	--	1.20	0.107	--		1
Tetrachloroethene	62.3	0.020	--	422	0.136	--	E	1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1901642-06 D
Client ID: IA1-20190112
Sample Location: 47-50 30TH ST. LIC

Date Collected: 01/13/19 10:00
Date Received: 01/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/19 19:48
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	57.5	0.040	--	390	0.271	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/17/19 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1198630-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/17/19 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1198630-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/17/19 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1198630-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/17/19 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1198630-4								
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
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
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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: WG1198630-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/19 16:57

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: WG1198630-9								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		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
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/19 16:57

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: WG1198630-9								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		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	0.500	--	ND	1.47	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/19 16:57

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: WG1198630-9								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001
Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/19 16:57

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: WG1198630-9								
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 (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	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

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/19 16:57

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: WG1198630-9								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/17/19 16:11

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 for sample(s): 01-06 Batch: WG1198634-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
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Method Blank Analysis
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Analytical Method: 48,TO-15-SIM
Analytical Date: 01/18/19 17:36

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 for sample(s): 01-06 Batch: WG1198634-9								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

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: WG1198630-3								
Chlorodifluoromethane	96		-		70-130	-		
Propylene	105		-		70-130	-		
Propane	83		-		70-130	-		
Dichlorodifluoromethane	118		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	112		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Butane	101		-		70-130	-		
Bromomethane	112		-		70-130	-		
Chloroethane	107		-		70-130	-		
Ethyl Alcohol	81		-		70-130	-		
Dichlorofluoromethane	107		-		70-130	-		
Vinyl bromide	112		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	114		-		70-130	-		
Acetonitrile	98		-		70-130	-		
Trichlorofluoromethane	125		-		70-130	-		
iso-Propyl Alcohol	101		-		70-130	-		
Acrylonitrile	88		-		70-130	-		
Pentane	102		-		70-130	-		
Ethyl ether	**68**	Q	-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

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: WG1198630-3								
1,1-Dichloroethene	109		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
Carbon disulfide	101		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		-		70-130	-		
trans-1,2-Dichloroethene	107		-		70-130	-		
1,1-Dichloroethane	107		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	108		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	123		-		70-130	-		
Ethyl Acetate	106		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	102		-		70-130	-		
1,2-Dichloroethane	118		-		70-130	-		
n-Hexane	91		-		70-130	-		
Isopropyl Ether	79		-		70-130	-		
Ethyl-Tert-Butyl-Ether	**68**	Q	-		70-130	-		
1,2-Dichloroethene (total)	115		-			-		
1,2-Dichloroethene (total)	115		-			-		
1,1,1-Trichloroethane	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

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: WG1198630-3								
1,1-Dichloropropene	87		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	**63**	Q	-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	91		-		70-130	-		
Bromodichloromethane	102		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Methyl Methacrylate	91		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	89		-		70-130	-		
4-Methyl-2-pentanone	86		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	90		-		70-130	-		
2-Hexanone	86		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	80		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901642

Report Date: 01/21/19

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: WG1198630-3								
Octane	92		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	117		-		70-130	-		
Styrene	95		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	107		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	101		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	100		-		70-130	-		
p-Chlorotoluene	101		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Decane (C10)	102		-		70-130	-		
Benzyl chloride	128		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901642

Report Date: 01/21/19

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: WG1198630-3								
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	103		-		70-130	-		
p-Isopropyltoluene	100		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
n-Butylbenzene	113		-		70-130	-		
1,2-Dibromo-3-chloropropane	107		-		70-130	-		
Undecane	103		-		70-130	-		
Dodecane (C12)	101		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Naphthalene	106		-		70-130	-		
1,2,3-Trichlorobenzene	104		-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
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Lab Number: L1901642
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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: WG1198630-8								
Chlorodifluoromethane	90		-		70-130	-		
Propylene	112		-		70-130	-		
Propane	77		-		70-130	-		
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	110		-		70-130	-		
Methanol	79		-		70-130	-		
Vinyl chloride	108		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Butane	102		-		70-130	-		
Bromomethane	110		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethyl Alcohol	72		-		70-130	-		
Dichlorofluoromethane	101		-		70-130	-		
Vinyl bromide	112		-		70-130	-		
Acrolein	85		-		70-130	-		
Acetone	113		-		70-130	-		
Acetonitrile	101		-		70-130	-		
Trichlorofluoromethane	120		-		70-130	-		
iso-Propyl Alcohol	102		-		70-130	-		
Acrylonitrile	87		-		70-130	-		
Pentane	102		-		70-130	-		
Ethyl ether	74		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

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: WG1198630-8								
1,1-Dichloroethene	106		-		70-130	-		
tert-Butyl Alcohol	77		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	117		-		70-130	-		
trans-1,2-Dichloroethene	105		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	108		-		70-130	-		
2-Butanone	103		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		
Ethyl Acetate	107		-		70-130	-		
Chloroform	111		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	100		-		70-130	-		
1,2-Dichloroethane	117		-		70-130	-		
n-Hexane	91		-		70-130	-		
Isopropyl Ether	79		-		70-130	-		
Ethyl-Tert-Butyl-Ether	**68**	Q	-		70-130	-		
1,2-Dichloroethene (total)	106		-			-		
1,2-Dichloroethene (total)	106		-			-		
1,1,1-Trichloroethane	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

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: WG1198630-8								
1,1-Dichloropropene	86		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	**63**	Q	-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl Methacrylate	91		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	88		-		70-130	-		
4-Methyl-2-pentanone	85		-		70-130	-		
trans-1,3-Dichloropropene	78		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	100		-		70-130	-		
1,3-Dichloropropane	92		-		70-130	-		
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	121		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Butyl Acetate	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901642

Report Date: 01/21/19

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: WG1198630-8								
Octane	94		-		70-130	-		
Tetrachloroethene	100		-		70-130	-		
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	108		-		70-130	-		
1,2,3-Trichloropropane	96		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	103		-		70-130	-		
Bromobenzene	96		-		70-130	-		
o-Chlorotoluene	99		-		70-130	-		
n-Propylbenzene	101		-		70-130	-		
p-Chlorotoluene	101		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
tert-Butylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Decane (C10)	102		-		70-130	-		
Benzyl chloride	130		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901642

Report Date: 01/21/19

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: WG1198630-8								
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
sec-Butylbenzene	104		-		70-130	-		
p-Isopropyltoluene	101		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	108		-		70-130	-		
Undecane	105		-		70-130	-		
Dodecane (C12)	102		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Naphthalene	107		-		70-130	-		
1,2,3-Trichlorobenzene	105		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1198634-3								
Propylene	101		-		70-130	-		25
Dichlorodifluoromethane	101		-		70-130	-		25
Chloromethane	86		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	98		-		70-130	-		25
Vinyl chloride	98		-		70-130	-		25
1,3-Butadiene	92		-		70-130	-		25
Bromomethane	101		-		70-130	-		25
Chloroethane	97		-		70-130	-		25
Ethyl Alcohol	80		-		70-130	-		25
Vinyl bromide	107		-		70-130	-		25
Acetone	106		-		70-130	-		25
Trichlorofluoromethane	115		-		70-130	-		25
iso-Propyl Alcohol	94		-		70-130	-		25
Acrylonitrile	84		-		70-130	-		25
1,1-Dichloroethene	99		-		70-130	-		25
tert-Butyl Alcohol[1]	**67**	Q	-		70-130	-		25
Methylene chloride	91		-		70-130	-		25
3-Chloropropene	103		-		70-130	-		25
Carbon disulfide	93		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	106		-		70-130	-		25
trans-1,2-Dichloroethene	98		-		70-130	-		25
1,1-Dichloroethane	96		-		70-130	-		25
Methyl tert butyl ether	80		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1198634-3								
Vinyl acetate	98		-		70-130	-		25
2-Butanone	92		-		70-130	-		25
cis-1,2-Dichloroethene	100		-		70-130	-		25
Ethyl Acetate	100		-		70-130	-		25
Chloroform	102		-		70-130	-		25
Tetrahydrofuran	83		-		70-130	-		25
1,2-Dichloroethane	105		-		70-130	-		25
n-Hexane	84		-		70-130	-		25
1,1,1-Trichloroethane	96		-		70-130	-		25
Benzene	81		-		70-130	-		25
Carbon tetrachloride	106		-		70-130	-		25
Cyclohexane	79		-		70-130	-		25
Dibromomethane[1]	83		-		70-130	-		25
1,2-Dichloropropane	84		-		70-130	-		25
Bromodichloromethane	94		-		70-130	-		25
1,4-Dioxane	85		-		70-130	-		25
Trichloroethene	89		-		70-130	-		25
2,2,4-Trimethylpentane	88		-		70-130	-		25
cis-1,3-Dichloropropene	70		-		70-130	-		25
4-Methyl-2-pentanone	78		-		70-130	-		25
trans-1,3-Dichloropropene	78		-		70-130	-		25
1,1,2-Trichloroethane	90		-		70-130	-		25
Toluene	90		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1198634-3								
2-Hexanone	80		-		70-130	-		25
Dibromochloromethane	112		-		70-130	-		25
1,2-Dibromoethane	94		-		70-130	-		25
Tetrachloroethene	91		-		70-130	-		25
1,1,1,2-Tetrachloroethane	99		-		70-130	-		25
Chlorobenzene	92		-		70-130	-		25
Ethylbenzene	91		-		70-130	-		25
p/m-Xylene	97		-		70-130	-		25
Bromoform	109		-		70-130	-		25
Styrene	89		-		70-130	-		25
1,1,2,2-Tetrachloroethane	98		-		70-130	-		25
o-Xylene	97		-		70-130	-		25
1,2,3-Trichloropropane[1]	91		-		70-130	-		25
Isopropylbenzene	95		-		70-130	-		25
Bromobenzene[1]	88		-		70-130	-		25
4-Ethyltoluene	104		-		70-130	-		25
1,3,5-Trimethylbenzene	95		-		70-130	-		25
1,2,4-Trimethylbenzene	107		-		70-130	-		25
Benzyl chloride	116		-		70-130	-		25
1,3-Dichlorobenzene	112		-		70-130	-		25
1,4-Dichlorobenzene	113		-		70-130	-		25
sec-Butylbenzene	99		-		70-130	-		25
p-Isopropyltoluene	92		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH ST.

Project Number: 1690010617-001

Lab Number: L1901642

Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1198634-3								
1,2-Dichlorobenzene	110		-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25
1,2,4-Trichlorobenzene	106		-		70-130	-		25
Naphthalene	95		-		70-130	-		25
1,2,3-Trichlorobenzene	103		-		70-130	-		25
Hexachlorobutadiene	115		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06 Batch: WG1198634-8								
Propylene	93		-		70-130	-		25
Dichlorodifluoromethane	97		-		70-130	-		25
Chloromethane	85		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		25
Vinyl chloride	96		-		70-130	-		25
1,3-Butadiene	89		-		70-130	-		25
Bromomethane	100		-		70-130	-		25
Chloroethane	96		-		70-130	-		25
Ethyl Alcohol	**68**	Q	-		70-130	-		25
Vinyl bromide	107		-		70-130	-		25
Acetone	103		-		70-130	-		25
Trichlorofluoromethane	113		-		70-130	-		25
iso-Propyl Alcohol	93		-		70-130	-		25
Acrylonitrile	84		-		70-130	-		25
1,1-Dichloroethene	98		-		70-130	-		25
tert-Butyl Alcohol[1]	**66**	Q	-		70-130	-		25
Methylene chloride	90		-		70-130	-		25
3-Chloropropene	102		-		70-130	-		25
Carbon disulfide	94		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		-		70-130	-		25
trans-1,2-Dichloroethene	98		-		70-130	-		25
1,1-Dichloroethane	97		-		70-130	-		25
Methyl tert butyl ether	80		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06 Batch: WG1198634-8								
Vinyl acetate	98		-		70-130	-		25
2-Butanone	91		-		70-130	-		25
cis-1,2-Dichloroethene	101		-		70-130	-		25
Ethyl Acetate	104		-		70-130	-		25
Chloroform	102		-		70-130	-		25
Tetrahydrofuran	82		-		70-130	-		25
1,2-Dichloroethane	104		-		70-130	-		25
n-Hexane	82		-		70-130	-		25
1,1,1-Trichloroethane	94		-		70-130	-		25
Benzene	79		-		70-130	-		25
Carbon tetrachloride	104		-		70-130	-		25
Cyclohexane	78		-		70-130	-		25
Dibromomethane[1]	83		-		70-130	-		25
1,2-Dichloropropane	83		-		70-130	-		25
Bromodichloromethane	93		-		70-130	-		25
1,4-Dioxane	85		-		70-130	-		25
Trichloroethene	90		-		70-130	-		25
2,2,4-Trimethylpentane	87		-		70-130	-		25
cis-1,3-Dichloropropene	**69**	Q	-		70-130	-		25
4-Methyl-2-pentanone	76		-		70-130	-		25
trans-1,3-Dichloropropene	77		-		70-130	-		25
1,1,2-Trichloroethane	90		-		70-130	-		25
Toluene	92		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06 Batch: WG1198634-8								
2-Hexanone	80		-		70-130	-		25
Dibromochloromethane	114		-		70-130	-		25
1,2-Dibromoethane	96		-		70-130	-		25
Tetrachloroethene	94		-		70-130	-		25
1,1,1,2-Tetrachloroethane	101		-		70-130	-		25
Chlorobenzene	94		-		70-130	-		25
Ethylbenzene	92		-		70-130	-		25
p/m-Xylene	97		-		70-130	-		25
Bromoform	112		-		70-130	-		25
Styrene	90		-		70-130	-		25
1,1,2,2-Tetrachloroethane	100		-		70-130	-		25
o-Xylene	98		-		70-130	-		25
1,2,3-Trichloropropane[1]	91		-		70-130	-		25
Isopropylbenzene	96		-		70-130	-		25
Bromobenzene[1]	89		-		70-130	-		25
4-Ethyltoluene	105		-		70-130	-		25
1,3,5-Trimethylbenzene	96		-		70-130	-		25
1,2,4-Trimethylbenzene	108		-		70-130	-		25
Benzyl chloride	117		-		70-130	-		25
1,3-Dichlorobenzene	114		-		70-130	-		25
1,4-Dichlorobenzene	113		-		70-130	-		25
sec-Butylbenzene	100		-		70-130	-		25
p-Isopropyltoluene	92		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 06 Batch: WG1198634-8								
1,2-Dichlorobenzene	112		-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25
1,2,4-Trichlorobenzene	110		-		70-130	-		25
Naphthalene	97		-		70-130	-		25
1,2,3-Trichlorobenzene	107		-		70-130	-		25
Hexachlorobutadiene	118		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1198630-5 QC Sample: L1901642-05 Client ID: IA10-20190112						
Dichlorodifluoromethane	0.502	0.497	ppbV	1		25
Chloromethane	0.480	0.496	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	48.6	50.2	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	108	113	ppbV	5		25
Trichlorofluoromethane	0.263	0.247	ppbV	6		25
iso-Propyl Alcohol	71.1	72.4	ppbV	2		25
tert-Butyl Alcohol	0.617	0.642	ppbV	4		25
Methylene chloride	0.664	0.663	ppbV	0		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	0.200	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.760	0.748	ppbV	2		25
Ethyl Acetate	0.510	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1198630-5 QC Sample: L1901642-05 Client ID: IA10-20190112						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.996	0.969	ppbV	3		25
Benzene	0.209	0.207	ppbV	1		25
Cyclohexane	0.949	0.930	ppbV	2		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	13.9	13.8	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylene (Total)	16.9	17.0	ppbV	1		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	3.44	3.54	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1198630-5 QC Sample: L1901642-05 Client ID: IA10-20190112						
Ethylbenzene	1.15	1.16	ppbV	1		25
p/m-Xylene	6.64	6.69	ppbV	1		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.382	0.371	ppbV	3		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	10.3	10.4	ppbV	1		25
4-Ethyltoluene	49.2	51.4	ppbV	4		25
1,3,5-Trimethylbenzene	57.4	57.5	ppbV	0		25
1,2,4-Trimethylbenzene	156E	155E	ppbV	1		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
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1198630-5 QC Sample: L1901642-05 Client ID: IA10-20190112						
1,2,4-Trimethylbenzene	190	183	ppbV	4		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1198634-5 QC Sample: L1901642-05 Client ID: IA10-20190112						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.072	0.075	ppbV	4		25
Trichloroethene	0.024	0.025	ppbV	4		25
Tetrachloroethene	3.75	3.77	ppbV	1		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25

Project Name: 47-50 30TH ST.

Lab Number: L1901642

Project Number: 1690010617-001

Report Date: 01/21/19

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
L1901642-01	AA01-20190112	0154	Flow 5	01/08/19	282370		-	-	-	Pass	3.3	3.3	0
L1901642-01	AA01-20190112	2727	6.0L Can	01/08/19	282370	L1853308-02	Pass	-29.9	-1.9	-	-	-	-
L1901642-02	IA4-20190112	01126	Flow 5	01/09/19	282371		-	-	-	Pass	3.3	3.5	6
L1901642-02	IA4-20190112	2121	6.0L Can	01/09/19	282371	L1852219-03	Pass	-29.1	-5.1	-	-	-	-
L1901642-03	IA2-20190112	0133	Flow 5	01/09/19	282371		-	-	-	Pass	3.3	3.7	11
L1901642-03	IA2-20190112	1562	6.0L Can	01/09/19	282371	L1852490-03	Pass	-29.1	-3.3	-	-	-	-
L1901642-04	IA6-20190112	0740	Flow 4	01/09/19	282371		-	-	-	Pass	3.3	4.0	19
L1901642-04	IA6-20190112	1037	6.0L Can	01/09/19	282371	L1852490-03	Pass	-29.7	-6.3	-	-	-	-
L1901642-05	IA10-20190112	0551	Flow 5	01/09/19	282371		-	-	-	Pass	3.3	4.8	37
L1901642-05	IA10-20190112	947	6.0L Can	01/09/19	282371	L1852219-03	Pass	-29.6	-1.6	-	-	-	-
L1901642-06	IA1-20190112	0814	Flow 5	01/08/19	282370		-	-	-	Pass	3.3	2.9	13
L1901642-06	IA1-20190112	1594	6.0L Can	01/08/19	282370	L1852322-01	Pass	-29.9	-8.9	-	-	-	-
L1901642-07	UNUSED CAN #321	0792	Flow 3	01/07/19	282328		-	-	-	Pass	18.0	18.0	0
L1901642-07	UNUSED CAN #321	321	2.7L Can	01/07/19	282328	L1900223-01	Pass	-29.4	-29.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1852219

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/19/18 19:26
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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852219
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852219
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1852219

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852219
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1852219

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/19/18 19:26
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	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852219
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852219
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852219-03
Client ID: CAN 1658 SHELF 58
Sample Location:

Date Collected: 12/18/18 16:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/19/18 20:01
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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	79		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/19/18 20:01
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	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		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:** L1852322

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852322
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852322-01
Client ID: CAN 2561 SHELF 40
Sample Location:

Date Collected: 12/19/18 08:00
Date Received: 12/19/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/20/18 18:33
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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	82		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/18 18:33
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1852490
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1852490-03
Client ID: CAN 1801 SHELF 49
Sample Location:

Date Collected: 12/19/18 16:00
Date Received: 12/20/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1853308
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/28/18 18:32
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1853308

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1853308
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1853308
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1853308

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1853308

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/18 18:32
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		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:** L1853308

Project Number: CANISTER QC BAT **Report Date:** 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1853308
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1853308-02
Client ID: CAN 1703 SHELF 42
Sample Location:

Date Collected: 12/27/18 16:00
Date Received: 12/28/18
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/03/19 16:22
Analyst: MB

	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	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		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	0.500	--	ND	1.09	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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	0.500	--	ND	1.47	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
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	0.500	--	ND	2.05	--		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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/03/19 16:22
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		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	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		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	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		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	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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	0.100	--	ND	0.461	--		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	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1900223
Report Date: 01/21/19

Air Canister Certification Results

Lab ID: L1900223-01
Client ID: CAN 463 SHELF 3
Sample Location:

Date Collected: 01/02/19 16:00
Date Received: 01/03/19
Field Prep: Not Specified

Sample Depth:

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: 47-50 30TH ST.
Project Number: 1690010617-001

Lab Number: L1901642
Report Date: 01/21/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1901642-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-03A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-04A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-05A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-06A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1901642-07A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901642
Project Number:	1690010617-001	**Report Date:**	01/21/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report

Project Name:	47-50 30TH ST.	**Lab Number:**	L1901642
Project Number:	1690010617-001	**Report Date:**	01/21/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 1/15/19

ALPHA Job #: L1901642

Client Information

Client: Ramboll
Address: 101 Carnegie Ctr
Princeton NJ 08540
Phone: 609 243 9816
Fax:
Email: eddprinceton@ramboll.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 47-50 30th St LIC
Project Location: 47-50 30th St, LIC, NY
Project #: 1690010617-001
Project Manager: Matthew Sweet
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables:
Equis 4
Report to: (if different than Project Manager)
eddprinceton@ramboll.com

Billing Information

☐ Same as Client info PO #:
1690010617-001

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	NYSDOH	Res/Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject to petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
01642.01	AA01-20190112	1/13/19	10:15	0920	-30.2	-4.77	AA	MJS	6L	2727	0154	X					(0.0)
.02	IA4-20190112	1/13/19	10:45	0930	-30.45	-5.3	IA	MJS	6L	214	0126	X					(0.0)
.03	IA2-20190112	1/13/19	10:35	0925	-30.2	-4.09	IA	MJS	6L	1562	0123	X					(0.0)
.04	IA6-20190112	1/13/19	1055	0940	-31	-7.23	IA	MJS	6L	1037	0748	X					(0.0)
.05	IA10-20190112	1/13/19	1100	0935	-30.82	-2.17	IA	MJS	6L	947	0551	X					(0.0)
.06	IA1-20190112	1/13/19	1030	1000	-30.5	-9.59	IA	MJS	6L	1594	0814	X					(0.0)

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type 6L 6

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/14/19 09:49	AAL	1/14/19 9:49
	1/14/19 14:20		1-14-19 2205
	1-15-19 0230		01/15/19 0230
	01/15/19 0500		1/15/19 0500

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.

ANALYTICAL REPORT

Lab Number:	L1903249
Client:	Ramboll 315 West 36th Street Third Floor New York, NY 10018
ATTN:	Matthew Sweet
Phone:	(631) 987-6710
Project Name:	47-50 30TH, LIC, NY 11101
Project Number:	1690010617-001
Report Date:	01/30/19

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: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1903249
Report Date: 01/30/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1903249-01	WC-20190110	SOIL	47-50 30TH, LIC, NY 11101	01/10/19 17:40	01/11/19

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1903249
Project Number:	1690010617-001	**Report Date:**	01/30/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1903249
Project Number:	1690010617-001	**Report Date:**	01/30/19

Case Narrative (continued)

Report Submission

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

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: Cristin Walker

Title: Technical Director/Representative Date: 01/30/19

METALS

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1903249

Project Number: 1690010617-001 **Report Date:** 01/30/19

SAMPLE RESULTS

Lab ID: L1903249-01 Date Collected: 01/10/19 17:40

Client ID: WC-20190110 Date Received: 01/11/19

Sample Location: 47-50 30TH, LIC, NY 11101 Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 01/25/19 22:38

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Barium, TCLP	0.488	J	mg/l	0.500	0.021	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Lead, TCLP	0.769		mg/l	0.500	0.027	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/29/19 12:41	01/29/19 17:55	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/29/19 08:45	01/29/19 14:48	EPA 3015	1,6010D	AB

Project Name: 47-50 30TH, LIC, NY 11101 **Lab Number:** L1903249

Project Number: 1690010617-001 **Report Date:** 01/30/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1201854-1										
Arsenic, TCLP	0.021	J	mg/l	1.00	0.019	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/29/19 08:45	01/29/19 13:36	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 01/25/19 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1201987-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/29/19 12:41	01/29/19 17:46	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 01/25/19 05:45

Lab Control Sample Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1903249

Report Date: 01/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1201854-2								
Arsenic, TCLP	103		-		75-125	-		20
Barium, TCLP	98		-		75-125	-		20
Cadmium, TCLP	97		-		75-125	-		20
Chromium, TCLP	89		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	102		-		75-125	-		20
Silver, TCLP	90		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1201987-2								
Mercury, TCLP	94		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1903249
Report Date: 01/30/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1201854-3 QC Sample: L1902393-07 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.29	108		-	-		75-125	-		20
Barium, TCLP	1.24	20	21.5	101		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.511	100		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.12	106		-	-		75-125	-		20
Lead, TCLP	3.09	5.1	8.36	103		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.26	105		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.462	92		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1201987-3 QC Sample: L1903020-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0271	108		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 47-50 30TH, LIC, NY 11101

Project Number: 1690010617-001

Lab Number: L1903249

Report Date: 01/30/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1201854-4 QC Sample: L1902393-07 Client ID: DUP Sample						
Lead, TCLP	3.09	3.21	mg/l	4		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1201987-4 QC Sample: L1903020-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: 47-50 30TH, LIC, NY 11101
Project Number: 1690010617-001

Lab Number: L1903249
Report Date: 01/30/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1903249-01A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		-
L1903249-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1903249-01X9	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1903249
Project Number:	1690010617-001	**Report Date:**	01/30/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1903249
Project Number:	1690010617-001	**Report Date:**	01/30/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	47-50 30TH, LIC, NY 11101	**Lab Number:**	L1903249
Project Number:	1690010617-001	**Report Date:**	01/30/19

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

JK 1/25/19 L1903249

ALPHA — NEW YORK CHAIN OF CUSTODY

Page 1 of

Date Rec'd in Lab: 1/11/19

ALPHA Job #: ~~L1901467~~

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers: Mahwah, NJ 07430: 35 Whitney Rd, Suite 5; Albany, NY 12205: 14 Walker Way; Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information

Client: Ramboll

Address: 101 Carnegie Ctr, Princeton NJ 08540

Phone: (609)243-9816

Fax:

Email: eddprinceton@ramboll.com

Project Information

Project Name: 47-50 30th LIC, NY 11101

Project Location: 47-50 30th LIC NY 11101

Project #: 1690010617-001

(Use Project name as Project #)

Project Manager: Matthew Sweet

ALPHAQuote #:

Turn-Around Time

Standard: X — Due Date:

Rush (only if pre approved): ☐ — # of Days:

These samples have been previously analyzed by Alpha: ☐

Other project specific requirements/comments:

Send results to eddprinceton@ramboll.com

Please specify Metals or TAL.

Deliverables

ASP-A: ☐ ASP-B: ☐

EQuIS (1 File): ☐ EQuIS (4 File): X

Other: ☐

Regulatory Requirement

NY TOGS: X — NY Part 375: X

AWQ Standards: X — NY CP-51: X

NY Restricted Use: X — Other: ☐

NY Unrestricted Use: X

NYC Sewer Discharge: ☐

Billing Information

Same as Client Info: ☐

PO #: 1690010617-001

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility: NJ ☐ NY ☐ Other: ☐

ANALYSIS

TCLP-RCRA8 (see below)

Sample Filtration

Done ☐

Lab to do ☐

Preservation: Lab to do ☐

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
03249-01	SB1-S501-20190110	1/10/19	1510	Soil	VS	
-02	SB1-S502-20190110	1/10/19	1550	Soil	VS	
-03	SB1-S502 DUP-20190110	1/10/19	1550	Soil	VS	
-04	TB-20190110	1/10/19	—	AQ	—	
-05	EB-AQ-20190110	1/10/19	1540	AQ	MJS	
-06	WC-20190110	1/10/19	1740	Soil	MJS	X — ~~HOLD~~
-07	TW1-20190110	1/10/19	1810	AQ	MJS	

Container Type: P,A V,G | P | V

Preservative: B,C E | A | HCl

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/11/19 10:17	Secure Site (AAL)	1/11/19 10:17
[signature]	1/11/19 1716	D. Santos AAL	1/11/19 1900
D. Santos AAL	1/11/19 2245	[signature]	1/11/19 2245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)